

Manufacturers Record

Exponent of



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AUGUST 22, 1925

An Index of Increasing Prosperity.

Southern railroads are more prosperous as a whole than those of any other section, and far greater expansion of Southern and Southwestern roads is under way than in any other part of the country. Steamship lines between the North Atlantic and the South Atlantic and Gulf ports are increasing their facilities at a rapid rate. New lines are being established and old lines are doubling and trebling their transportation facilities.

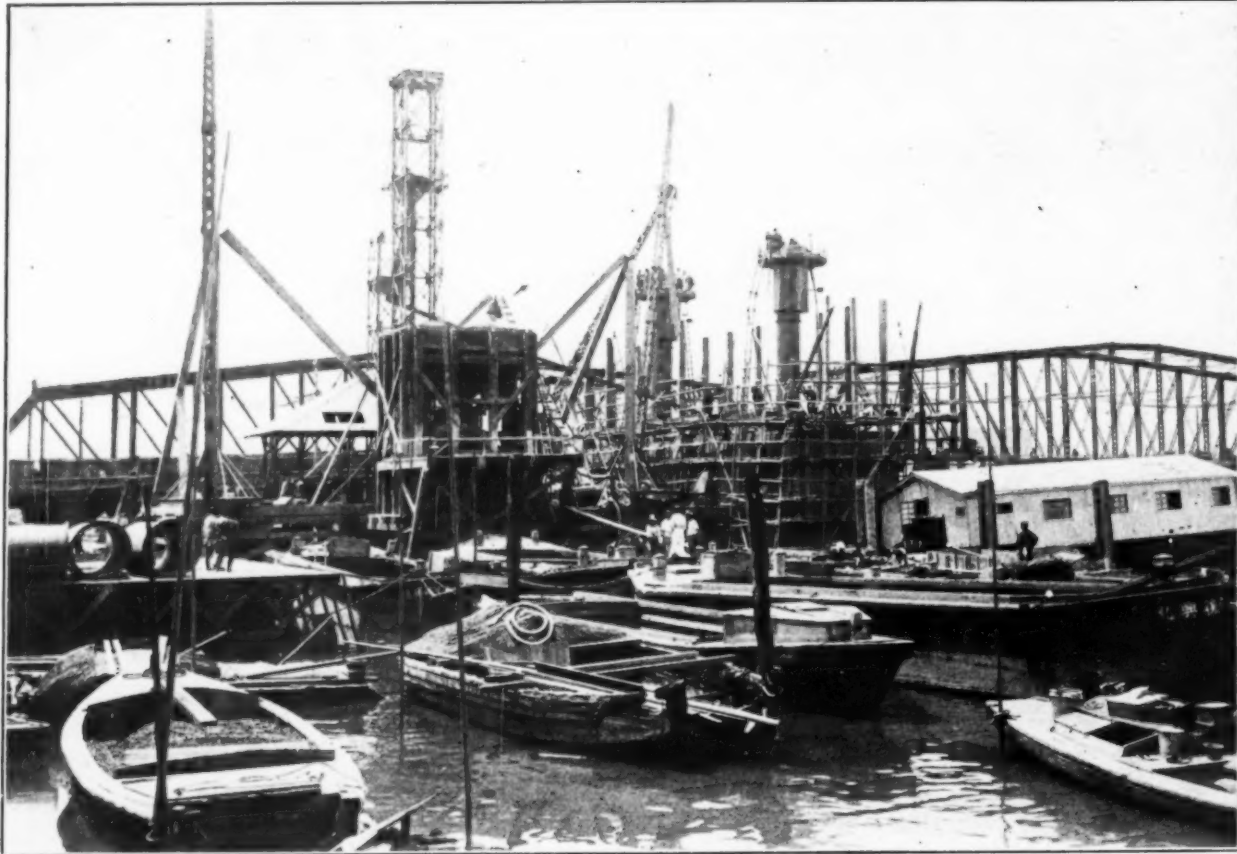
Hydro-electric developments are under way in the South on a larger scale than anywhere else in the United States, and the demand for power and light increases so rapidly that these companies find it difficult to keep up a supply equal to the growing needs of the South.

New enterprises of great "pith and moment" are being developed throughout the entire territory from Maryland to Texas. New highways are under construction involving hundreds of millions of dollars. Like the railroads and steamship lines, traffic over them is increasing at an unprecedented rate. Indeed, one writer recently said that the highways leading from the West to the South are black with automobiles Southward bound.

The increasing prosperity of the South is enabling its people to become heavy investors in hydro-electric companies, in industrial enterprises and in all other interests which in the past have to a large extent been compelled to depend for capital upon Eastern and Western financial centers. Publicity of many kinds by cities and states, publicity through the newspapers and magazines and expositions, is on a new and larger scale than ever before known in the South.

Suggestive of the value of this publicity is the statement published in this issue that one Florida town, because of a small exhibit at the Southern Exposition, has already received as a direct result \$5,000,000 in investments in that community. Near an east Tennessee city, which was also represented at the Exposition, and which made for itself a name and a fame by reason of its activity, a site has been selected for a rayon enterprise to represent an ultimate investment of \$10,000,000. Whether or not this case is a direct result of the Exposition we cannot say, but we do know that every bit of publicity at the Southern Exposition and in the broad advertising campaigns which the whole South is now beginning to put forward means a concentration upon this section of the thought of millions of people who never before seriously studied the potentialities of the South.

Will this development be overdone? is a question many people are asking themselves without understanding the foundation on which the South is building. Its climatic advantages alone are of immeasurable value, and now that the world is beginning to realize that the South's climate means greater comfort and longer life than the rigorous climate of the North and West, millions will seek the South on that account alone. But with five times as much coal area as all of Europe outside of Russia, with vast stores of iron ore, with marbles, and granites, and phosphates; with great hydro-electric potentialities still awaiting development, with three-fifths of the seacoast of continental United States, with every variety of soil needed for every variety of agricultural product, what this section is doing at the present time is but the faintest indication of that glorious and glowing future which awaits this, the most Heaven-favored region on earth.



*Pneumatic Caisson Construction, Sumida River Bridges, Tokyo, Japan
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Old Japan continues to adopt new methods. In the reconstruction and upbuilding of Tokyo, new modern bridge structures are being built by the Japanese Reconstruction Commission to give better communication between the parts of the City lying on the two banks of the Sumida River. The Foundation Company is supervising the construction of the bridge piers, thus introducing the pneumatic caisson method into Japan.

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AUGUST 27, 1925

Manufacturers Record

EXPONENT OF AMERICA

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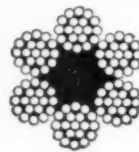
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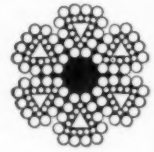


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Vol. LXXXVIII No. 9
Weekly

BALTIMORE, AUGUST 27, 1925.

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In This Issue.

From many points of view the boll weevil has been a blessing to the South. It has saved this section from committing economic suicide by increasing its cotton production to the

The Boll Weevil as a Blessing.

point where bankruptcy would have been the inevitable end of the whole cotton-growing business. The boll weevil has brought the farmers of the South straight up against this proposition, and it has caused many of them to turn from all-cotton to diversified agriculture. Viewed in the large, it is not surprising that the people of Livingston, Ala., erected in the public square several years ago a monument to the boll weevil.

What the boll weevil did in changing the agricultural activities in southern Georgia and northern Florida is shown in a story from Valdosta, Ga., which tells how, out of poverty, prosperity has been wrought by the growing of tobacco where once cotton held sway and practically enslaved the farmers. Tobacco has now become one of the staple crops of that section, and fortunately its acreage is somewhat necessarily limited on each farm, and this increases the tendency to diversification. In the Valdosta section, for instance, where the boll weevil whipped the cotton growers, tobacco has now whipped the boll weevil.

All over the South similar conditions are coming to the front. Until this section freely diversifies its agriculture, and finds new things besides cotton on which to base its farming interests, there cannot be the general prosperity which should prevail. But where industrial development makes possible a home market for all the diversified products of the farm there is a limitless field for agricultural prosperity. Tobacco growing in south Georgia is one way in which this movement is doing good.

The development of the Satsuma orange industry is opening up a very wide field for agricultural activity along the Gulf Coast in Mississippi and adjacent states. Alabama has made

The Satsuma Orange Industry of the Gulf Coast.

considerable progress in this industry, as have other Southern states. Now Mississippi joins the list, and an interesting story is told of the growth of this business and of the qualities of the Satsuma orange.

We are consuming in the United States a very small amount of oranges and grapefruit in proportion to our population. The field for increasing consumption is probably more limitless than are the possibilities of increased production. But the field of consumption must be cultivated with equal intelligence and energy as the fields of production. Every known device for increasing the demand for citrus fruits must be utilized. Orange and grapefruit juice must be so widely introduced as to take the place of many of the so-called soft

drinks of the day which are without any good qualities whatever, while the juice of oranges and of grapefruit is invaluable to the human system. Here is a field for exploitation work requiring the highest skill, broad liberality in expenditure and untiring energy, in order that production may not surpass consumption requirements.

The cotton producer, the manufacturer and the consumer should be equally interested in any movement which tends to the production of a high-class staple at reasonably profitable prices for the first two groups and a fair cost to the last. How Georgia has turned to a study of longer staple

In Advocacy of a Longer Staple Cotton.

cotton for the hill farms of the South, and finds this study by no means without interesting economic complications, is told by Paul Tabor of the Georgia College of Agriculture.

Time was when Athens cotton, for instance, earned a gratifying premium because it was, in general, of uniform full-inch staple. Came the boll weevil, and the introduction of early and short-staple varieties made the staple badly mixed. The premium was removed and farmers abandoned the growing of short cottons, because their yield was no greater than the better staple, which sold for a higher price, says Mr. Tabor.

Probably, no great industry in the land—certainly, no agricultural industry—has more problems on its hands than cotton growing. "The Boosting of Longer Staple Cotton" will be found to be an interesting and valuable contribution of general consideration to the subject of cotton production.

Whether or not there is to be a strike of the union miners in the anthracite field, and possibly, also, in the bituminous field, is a question of great national interest. "Do the Union

What Will the Union Coal Miners Do?

Miners Want a Strike?" asks Mad Anthony, and discusses in interesting fashion the conditions which evoke the theory and his conclusions in the premises.

It is a problem beset with intricacies. It involves even the subject of communism, which is making such rapid strides in America, virtually unopposed by Federal, state or municipal officials. In it is interwoven that selfish anxiety of labor leaders to hold their well-paid jobs, which they feel they cannot do without periodically stirring up trouble.

Mad Anthony gives his views in a plain, comprehensible and interesting fashion. His article is of the kind calculated to awaken the public mind to deep and intelligent study of organized labor conditions which at regular intervals bring up the menace of a destructive strike, and at times even provoke such strikes. It should be carefully read.

WHAT THE SOUTHERN EXPOSITION DID FOR ONE TOWN.

WILLIS B. POWELL, general secretary of the Chamber of Commerce of Sarasota, Fla., in a letter to the **MANUFACTURERS RECORD** says:

"From our small exhibit at the Southern Exposition we have brought here one man who has spent nearly \$2,000,000 in land and lots, and is now in Wisconsin getting cows and other stock to supply a farm a few miles east of Sarasota, and also to find Scandinavians to bring back with him to manage a dairy farm. Sarasota will directly profit \$5,000,000 from our little exhibit at the Southern Exposition. Direct sales made at the Exposition by our land men exceeded \$200,000, and since then a score of men we saw there have come to Sarasota and purchased property and located here. Two came in yesterday."

It was with great difficulty that Sarasota was persuaded last spring to make an exhibit at the Southern Exposition. Various excuses were given by Sarasota people—one that the Chamber of Commerce did not have the money, one that it was too late to undertake to make an exhibit, and many others of a similar character. But at the last moment the Chamber of Commerce decided to exhibit, and Mr. Powell, the secretary, had to do some everlasting hustling to get everything together in time to have it in New York at the opening of the Exposition. It was not a great display that Sarasota had. It was not worthy of such a prosperous section, but it was the best that could be done on about a week's notice after the Chamber of Commerce actually decided to do something. And yet Mr. Powell writes that that small exhibit will make a profit of \$5,000,000 to Sarasota!

The Southern Exposition was not wholly worthy of the South, because it fell short in many respects of an adequate display of Southern resources and Southern achievements, many states and many communities and many railroads having completely fallen down on the job. But those that did exhibit reaped a rich harvest, and Sarasota seems to have been especially fortunate.

It is up to the South to decide what it will do in the way of an exhibit worthy of this section in the fall of 1926. At that time the South should have an exhibit so complete and comprehensive as to command the enthusiastic attention of the entire East.

THE MOROCCO MINERAL SITUATION.

A DISPATCH from Berlin announces that an Anglo-American syndicate is negotiating for the purchase of all mineral rights in Morocco now owned by the Mannesmanns. It is said that the Mannesmanns are generally accepted as semi-official colonizers of the former German Government, and as such have been held in some quarters as responsible for having precipitated the Moroccan conflict. Before and during the war their headquarters were established in the German Colonial Office, from which they carried on pro-German propaganda.

This dispatch, published in the daily papers with big headlines, gives no news of any importance to the readers of the **MANUFACTURERS RECORD**. During the last four or five years, editorially and through the letters of Courtenay De Kalb, attention has been called to the fact that the Mannesmanns, the great German metallurgical firm, have been active factors in the Morocco situation. It was pointed out four or five years ago that Germans were then shipping French arms into Morocco to aid the Rif tribes in their fight against Spain, and for the purpose of creating the impression in other nations that France was supplying the Rifs with munitions of war, while these munitions, shipped apparently by Germans, were

munitions that had been captured by the German Army from France.

The name of Otto H. Kahn has been mentioned in New York papers as possibly connected with the so-called Anglo-American syndicate, reputed to be buying out the Mannesmann interests. Mr. Kahn made a motor trip through Morocco a few months ago, and attention was then called in the **MANUFACTURERS RECORD** to the rumor that the Rif tribes had an office in New York and were being financed by some other country, or otherwise they could never have carried on the magnitude of their operations based on their own resources. The vast iron ores of Morocco, like the iron ores of the Verdun section, were the prize for which the German interests were contending, and we seriously doubt whether these German interests will alienate themselves entirely from these properties, even if nominally they are sold to an Anglo-American syndicate. On the surface it may appear that a sale has been made, but back of that sale will probably be the hand of the German metallurgical interests, holding on to a grasp of Morocco's mineral resources.

A TARIFF DANGER AHEAD.

THE united power of all other countries in the world and of many financial interests in America will henceforth be used in seeking to bring about the lowering of our protective tariff. We are being told, and the propaganda is nationwide, that Europe will never be able to become financially sound unless we throw open our doors and buy from Europe and the Orient without regard to any protection for American industrial or agricultural interests. International bankers will to a large extent be behind this movement, and their influence in many cases will be given to whatever party promises the largest amount of free trade. International banking interests have no party ties sufficiently strong to hold them as a matter of principle to any one party, but they will flock to one or the other according to whichever party they can at the moment use to the better advantage. They may not do so openly, but they know many ways in which their influence can be used.

The next political campaign will probably be staged largely on the question of a low tariff, or a protective tariff, and the influences which will be at work in behalf of a low tariff will endanger our whole tariff system unless the people of this country in advance realize the situation and plan to fight it.

IS COWARDICE THE CAUSE OF MUCH SOCIAL DRINKING?

A LEADING business man of Boston in commending the **MANUFACTURERS RECORD** for the article, and the letters accompanying it, entitled "Prohibition Has Justified Itself," writes:

"Let us hope that our friends, so many of whom hold the view of the New York business man who thought Prohibition was good for poor people but bad for himself, will eventually be changed. There is no doubt that social drinking is being carried on by a greater number than before, but I believe that in many instances the reason is found in the excuse a friend gave to me a few days ago, when he remarked that personally he would not take a drink once in six months and would not have it around the house if it were not for his friends. By the same token, I believe that the friends would not think of taking a drink were it not offered by the host. In each case, one does not wish to appear discourteous to the other. I feel that you are to be congratulated on having obtained this clear expression of opinion from men whose word has such great weight in the country."

The Pine Institute of America.

FOR many years the naval stores industry was one of the major Southern industries. It is still large, though of recent years it has waned while others have waxed.

From early Colonial days it dominated the naval stores business of the world, but that proud dominance is slipping from its grasp.

A patch of two million or so acres of pine forest in France—small indeed by comparison with the hundred and ten or fifteen million acres of virgin pine forests that once stretched across the South and furnished the raw material of our naval stores industry—is steadily gaining the ascendancy once so easily held by our Southern states. A century ago, when the forests of the South supplied rosin, turpentine and other pine products for the world, the Landes of France was a barren stretch of sand, a great swamp in winter and a parched desert under summer suns. Who at that date could have supposed the most desolate region of France would in our time be one of the most densely populated and most prosperous sections of all rural France? Who, a century ago, could have foreseen that that treeless waste would in our time threaten to wrest from the immense stretches of virgin pine forests of the South the dominance in the world's pine forest products?

Who could have foreseen all this? Why, given a few simple facts clear enough to us now, any high-school boy could have foretold the result with mathematical certainty. Yet these facts were discerned with considerable clarity in France three-quarters of a century ago. For it was about three-quarters of a century ago that the French Government set out to plant the sand wastes of the Landes with pine trees and to develop a scientific system of pine-forest culture and of pine products extraction.

Three-quarters of a century ago the farmers and the lumbermen of our Southern states were diligently destroying our vast pine forests. Not satisfied to destroy them, they took care in many sections that they remained destroyed by annually burning off for cattle-grazing the cut-over lands so that pine seedlings could not live—a practice that might well be called burning dollars to save nickels.

If one man plants bare land with a crop and carefully tends it, he may reasonably expect a harvest in due season.

If another man, heir to a rich crop, systematically destroys his crop, he need expect no harvest.

These are the simple facts from which any high-school boy might have predicted our present situation had they been so put to him.

All through its period of destruction our naval stores industry was a nomad, exhausting one pasture and moving on to the next. From Virginia southward into Florida it extended, and then westward across 1500 miles or more to Texas, destroying as it went. Back at last it had to turn, to graze on left-overs and such patches of second-growth as had escaped the attention of the cattle owner with his destructive winter and spring fires. Now at last it stands face to face with the consequences of its destruction—an almost exhausted source of raw materials.

Appropriate as the wasteful methods of the past may have been to the abundance that encouraged them, unless they be reversed they will constitute an immense spoliation of posterity. Today the industry is passing through a period of painful transformation. It is changing from a nomad destroying as it goes to a farmer cultivating and enriching permanently the section of his operations. Henceforth the industry must settle and build permanently where heretofore it has only pitched its tents.

For its use in its changed estate it has fashioned an instru-

ment of upbuilding commensurate with its former vast destruction, commensurate with the immense and difficult reconstruction that lies ahead. The Pine Institute of America is one of those splendid conceptions of man that compensate for countless blunders. Its purpose is to co-ordinate the scattering thought and efforts of all branches of the industry and to provide a center for scientific research—that potent instrumentality by which, in the last 150 years, man has made greater industrial progress than he made 5000 years before scientific research came into use.

So numerous are the interests, and so immense the natural resources involved, that the cost to any single member of the Pine Institute will be nominal, while the income provided will be ample and the benefits to members many times the cost. Since the Institute is non-profit-making, its profits will accrue to its members. It is a commercial institution organized by private interests to increase the profits of its members, but the wealth it creates will be shared by all the South and the nation.

The Institute includes a great technical college for teaching the practice of pine forest culture and harvesting. Its control lies in a board of trustees chosen as the Senate of the United States is chosen, so that no single branch of the industry and no single member can have more weight in the voting than another. This feature has excited the unqualified admiration of many able business leaders. It will give the small landowner or other individual an equal voice with the largest, and should therefore result in the nearest possible approach to "the greatest good to the greatest number."

The constructive genius and the organizing ability exercised by the men who planned the Pine Institute of America and brought it into being is in harmony with the history of the Old South, which exerted so powerful an influence in shaping the affairs of the nation. We congratulate the pine-products industries on this contribution to the prosperity of their members and the welfare of the nation. The South will one day be proud of the Pine Institute of America.

RESPONSIBILITY OF BANKERS.

OLIVER J. SANDS, president of the American National Bank, Richmond, Va., whose recent address before the South Carolina Bankers Association as published in the MANUFACTURERS RECORD has attracted much attention, in a letter to this paper says:

"I am glad to know that we are in agreement on the subject of the responsibility of the banker. I have always maintained that those who are in control of the credits of the community have a very heavy responsibility, and I have seen it so fully demonstrated in this matter of co-operative marketing and financing of the producers throughout this territory.

"Agricultural people of the South as a whole are the principal consumers, and they will never be able to reach a reasonable purchasing power as long as the products of their labor are consumed by the heavy toll which they pay for credits and to the middleman. I hope some experienced writer will undertake the preparation of a series of articles on this subject. When the real truth is presented it will not be very creditable to the banker, merchant or political leader of the South, but I hope it will lead to reforms which will mean wider prosperity and higher civilization."

Mr. Sands is correct. The handling of the credit system of the South by the bankers and the merchants, and the political activities of those who profess to be seeking the advancement of the farmers as a whole, does not indicate a realization of the true condition of the agricultural interests and their relation to the prosperity of bankers, merchants and all others.

A good many years ago, in an address to the Bankers Association of Virginia, the editor of this paper sought to impress

upon the bankers of that state their responsibility for the moral and material interests of their communities. They hold a vantage position which places upon them a tremendous responsibility, for as they are morally and ethically in business transactions, so will many of the people of their community be, for the influence of the banker is great. To the extent that they are upbuilding forces, not only for the people in the towns in which they are located but for the farmers in all the surrounding country, so will merchants and all others be. The banker is a leader for good or for evil. Mr. Sands has rightly stated the whole situation.

MR. DE KALB AND THE UNIVERSITY OF ALABAMA.

OWING to the illness of Prof. Hugh Davidson Pallister of the University of Alabama, President Geo. H. Denny has persuaded Courtenay De Kalb to take up Professor Pallister's work for the next year. This will bring Mr. De Kalb into the very heart of the industrial center of the South, where his world-wide knowledge of things pertaining to minerals and metallurgy will be extremely interesting and doubtless valuable to the state of Alabama as well as to the students of the university.

Mr. De Kalb is a native of Virginia, but for years has been engaged in important investigations in Mexico, Central and South America and Spain and Morocco, as well as in this country, though he devoted seven years of his life to educational work, first in the School of Mines of Missouri, from which he was called to establish a similar school in Queen's University, one of the leading educational institutions of Canada, resigning there after three years of service, to the great regret of the trustees and faculty, because of the rigor of that climate.

Mr. De Kalb has an inspiring influence over young men, as well as over older men, and in his work at the University of Alabama we feel quite sure that he will render a considerable service to that state. In view of the constant calls upon him for professional work, he was only able to accept this position contingent upon the privilege of attending to some outside expert work which would not interfere with his university duties. For the last three years he has been located at Tucson, Ariz., engaged in investigating large mineral properties there for Mrs. H. E. Huntington, but her recent death has prevented the continuance of this work, and Mr. De Kalb was just about closing up his activities in Arizona when Dr. Denny invited him to fill Professor Pallister's place for the next 12 months.

AND WAR IS NOT "OUTLAWED" YET.

TO those idealistic visionaries who urge that permanent world peace be established by "outlawing war" may be commended the first book on international law, "De Jure Belli et Pacis," by Hugo Grotius, of which the three hundredth anniversary of its publication was recently observed.

In brief, this book first advanced the theory that "war is a crime" and urged that war be "outlawed" by international law, just as crimes of individuals are defined by law.

In the three centuries since its publication this well-meaning book has failed entirely in its purpose to arouse the world to abandon war by "outlawing" war. In nineteen centuries, since first enunciated by the King of Kings, the Golden Rule has failed to "outlaw" war. Throughout the centuries of man the laws of God and of man have failed to suppress any form of crime by "outlawing" it.

War can no more be suppressed by "outlawing" war than burglary has been suppressed, or even murder, by outlawing those activities.

ONE POLICY WHICH THIS PAPER ALWAYS FOLLOWS.

AN editor of one of the leading daily papers of the West recently sent to the MANUFACTURERS RECORD a lengthy clipping from this paper about the activity in Florida which had been published in his paper, and added the comment that, as the Florida real estate people had now selected the opposition daily in his town, he regretted that he had published the article about Florida.

That view of the matter is not at all in harmony with the policy which we believe newspapers should pursue. In replying to the letter, the editor of the MANUFACTURERS RECORD said:

"I do not agree with your position, and I hope you will not take offense at my saying so. I presume you published the article about Florida development as a matter of news, without relation to whether the Florida people advertised or not. That is the policy we always pursue, and I think is the real policy for all newspapers. I suppose, by what Florida people say, that the MANUFACTURERS RECORD has done more to make known to the world the advantages of that state and to start the tremendous development now under way than any other paper. They say this on every possible occasion, and yet we get very little advertising from the very people who make such claims. They usually put their advertising in the hands of advertising agencies. We refuse to pay any commission for business coming through the agencies, believing that the proper pay for all agency business should be by the advertiser and not by the newspapers. Nevertheless, I never permit this absence of advertising to shape the editorial or news policy of this paper in the slightest. And what is true in regard to Florida is true as to all other Southern concerns, or business concerns everywhere.

"Many years ago Samuel Spencer, then president of the Southern Railway, told one of his friends, and the remark came to me second-hand, that he liked to advertise in the MANUFACTURERS RECORD because he knew that, whether he advertised or did not advertise, his road would be commended or criticised without the slightest regard to advertising or non-advertising. That is the policy I have tried to maintain for many years. That is why I am taking the liberty of suggesting these thoughts to you by reason of your letter of July 31.

"I do not know what are the plans of the real estate people of Florida in their advertising campaign. They say the MANUFACTURERS RECORD is responsible for Florida's large development, but I am rather inclined to think that in placing their advertising the MANUFACTURERS RECORD may perhaps be overlooked, just as it has been many times in the past."

The policy thus outlined by this paper is, we believe, the only policy which should control the editorial and news features of a newspaper. At least, that is the view that this paper has held and by which it has been guided. The editorial and the news departments take no account whatever in the publication of matter bearing on business interests, or on city or state development, whether or not the towns or the cities or the states mentioned are in any way connected with advertising in this paper or not. If not a dollar of advertising came to the MANUFACTURERS RECORD from the South, it would still "carry on," just as earnestly as it always has done, its work in behalf of Southern development. Indeed, for the first 20 or 30 years of its existence pretty nearly all of its advertising came from Northern and Western concerns that wanted to do business in the South, and thus the work of this paper in behalf of the South was costing the South itself practically nothing.

We emphasize these points because we want to make it very clear to our readers that, regardless of whether Southern towns or cities or business institutions advertise or do not advertise, the MANUFACTURERS RECORD is always anxious to receive news from them as to what they are doing in the way of material advancement.

The Withdrawal of Troops From Nicaragua and Its Influence on Latin America.

IT is to the credit of President Coolidge that the order has not only been given, but fully carried out, for the evacuation by our troops of Nicaragua. The fact that the United States has kept marines in the capital city, Managua, for about 14 years is not widely known by the great mass of American citizens. If it were further known why those marines were sent to Managua, it would make them blush for the good name of their country. That scandal need not again be aired. The ostensible reason for the entry of our troops has little to do with the underlying motive. It has cost us the friendship of millions of Latin-Americans. It has made all Latin America fear us. Books have been written upon it, denouncing us as imperialists, as being deaf to the appeal for liberty. Men of affairs in Latin America have been fearful of closer relations with this country because of it. If we descend to the level of estimating the money value, or the money loss, in connection with our military occupation, it is safe to say that the loss in Latin-American business on account of it would run into many hundreds of millions of dollars.

The fact that we have at last left Nicaragua to her own devices has produced a most favorable impression among all Spanish-Americans. If now we undo the damage done in Santo Domingo, we will have given hope of a changed view of international ethics that will do much toward creating a better feeling in the Western Hemisphere.

It is not generally understood that in August, 1914, President Wilson undertook definitely to interfere in the domestic politics of Santo Domingo and laid down a course of action for the Dominican Republic with the intent to put an end to revolution. Whatever conception of benevolent dictatorship may have lain in the back of his head, the thing that he actually did was to exercise the authority of a "protectorate" over that country. We have no right to pretend to such a privilege of intervention under cover of any historic precedents. The revolutions in Santo Domingo seemed endless, it is true, but without sanction by a conference of the Latin-American states we were exceeding the limits of fair dealing to intervene. We have not, so far, ventured to seek that kind of co-operation between ourselves and the American republics. Whether it would be useful, or would lead to fresh complications, is not for us to say.

Surely, there is no justification for our assuming the position of what, in international law, is meant by a "Protector." That is but one of the arms of imperialism, and as such it has been characterized by our friends to the southward. As such it has been regarded rightly as a menace to their liberties. Our recognized attitude against the encroachment of foreign Powers in Latin America never would have offended anyone on this hemisphere had we not enlarged it into a right of intervention, as we did at Panama, at Nicaragua and again at Santo Domingo.

It is with mental relief to all good patriotic lovers of national independence, whether our own or also that of our Latin-American brothers, that we see President Coolidge making a beginning of restitution for our mistakes. It will help us next door across the Rio Grande. A large part of the trouble with Mexico has developed because of their fear of us. We must make it plain that we intend to be just; to recognize and defend their independence. We must be careful not to yield to the pressure that we understand has been brought from across the Atlantic to co-operate with us in developing a policy toward Latin America. It was reported at the time,

and seemingly confirmed by the events, that when a British subject named Benton was assassinated by Pancho Villa at Chihuahua, the customary summary procedure for the protection of British citizenship was not pursued at the special request of the President of the United States, and that this act involved a certain degree of co-operation in our Mexican policy that might easily lead to embarrassing and compromising relationships, which completely and forever would estrange whatever sympathy might be left toward us in the hearts of the Latin-Americans.

It was significant that Justo Bravo, a Senator in Buenos Aires, introduced a resolution in the Chamber immediately after the Kellogg note to the world at large regarding Mexico offering President Calles the support of the Argentine Government. The resolution was tabled after vigorous debate, but the fact that it should have been introduced at all, and that it met with serious defenders, is something for us to consider. It was exactly in line with the world-wide campaign that the famous Argentine novelist and historian, Manuel Ugarte, has been carrying on for 15 years against the United States. Openly he has been branding this country as a dangerous imperialist. If anyone may wish to see precisely how we appear to Latin-American eyes, we recommend that he read Manuel Ugarte's "El Porvenir de la America Latina" (published by the house in which Vicente Blasco Ibáñez is part owner, namely, F. Sempere y Compañía, at Valencia, Spain), and also Isidro Fabela's "Los Estados Unidos Contra la Libertad" (printed by the Talleres Gráficos Lux, Barcelona, Spain).

It will make it easy to maintain cordial relations in future if we now undo so far as possible all those things which have been imputed to us as imperialism. And if we reaffirm and rigidly reinforce the Monroe Doctrine as against all foreign encroachment in Latin America, it will strengthen the assurance of peace, it will promote a rapid increase of Pan-American good-will and solidarity, and it will stimulate closer business relations. It will make for cordial friendship among all the nations from the Great Lakes to the Straits of Magellan.

WHAT SCIENTISTS' CANNOT PROVE.

DR. R. A. MILLIKAN, a Nobel Prize winner, in an address before the American Chemical Society at Los Angeles made some very truthful statements which other scientists should heed. He suggested that the development in the last quarter of a century of all the physical sciences should teach men of learning to be "more modest and thoughtful." This was in reply to the dogged, determined stand of some so-called scientists on the question of evolution. As one of the foremost scientists of the country, what Dr. Millikan said on that subject is interesting, for many scientists are only too apt to be dogmatic and unhesitatingly to assert that what they may claim as science is the final word on all subjects, whereas science is only at present struggling toward the light, and no man can say when and where the light will be found.

Dr. Millikan said:

"We must learn to get away from our assertiveness and dogmatism, whether scientific or theological. I see overassertiveness from scientists in connection with such things as the late evolution trial, and I see on the other side assertiveness on subjects about which I know nobody knows anything.

"In the last quarter of a century we have accumulated a remarkable collection of facts and data, a group of phenomena which are henceforth the permanent heritage of the race.

"It looks, at first, as though we now could see it all, as though we could begin to interpret the universe in terms of

these simple relations, but there are many things we do not know.

"How, for instance, does the beta ray shoot itself out of an atom with terrific velocity? Whence comes this amazing energy? We don't know; we are completely up in the air in our understanding of what it's all about.

"The pathetic thing is that we have scientists who are trying to prove evolution, which no scientist can ever prove. Now, I don't want you to think that I am on the other side. I am not; I am only asking for more caution."

On this line the Watchman-Examiner of New York said:

"Professor Millikan, one of the world's greatest physicists and the first man to isolate the electron, says: 'I can bring the evidence strictly up to date by asking you to name the dozen most outstanding scientists in America today and then showing you that the great majority of them will bear emphatic testimony, not only to the complete lack of antagonism between the fields of science and religion but to their own fundamental religious convictions.'

"Lord Kelvin was one of the greatest of scientists. He said: 'If you think strongly enough you will be forced by science to the belief in God, which is the foundation of all religion. You will find it not antagonistic, but helpful, to religion.'"

AN "AMAZING DECLARATION."

A WASHINGTON dispatch to the New York Times has the following very interesting and remarkable statement:

"Santiago Iglesias, Spanish-language secretary of the Pan-American Federation of Labor, in a statement today took issue with recent remarks by Dr. Leo S. Rowe, director of the Pan-American Union, on the position Great Britain should take in the affairs of Latin-American nations.

"Mr. Iglesias described as 'a most amazing declaration' Dr. Rowe's statement before the Institute of Politics at Williamstown, Mass., that 'it is essential that Great Britain, with her possessions in this hemisphere, be given a voice in the determination of Pan-American policies.'

"'Dr. Rowe declared,' Mr. Iglesias said, 'that Latin America is drifting toward the balance-of-power system of pre-war Europe, and urged that the Monroe Doctrine be made continental.'

"'If it is true,' Mr. Iglesias continued, 'that South America is drifting toward a balance-of-power system, it is because of two principal factors:

"'First, American investments in every Latin-American nation, placing those nations under heavy obligations and sometimes placing even their customs-houses and internal revenue under supervision of American officials;

"'Second, European political propaganda, which is working toward a European political and social leadership in Latin America.

"'When nations drift toward the formation of groups suspicious of each other, it is because certain forces are at work creating suspicion. American finance is undoubtedly the greatest force on this continent for the creation of suspicious sentiments between nations.'"

It is not surprising that the statement by Dr. Rowe was regarded as "a most amazing declaration." Dr. Rowe is general director of the Pan-American Union; he has been Assistant Secretary of the Treasury, and an appointee of the State Department on many commissions dealing with Latin-American affairs, and is, therefore, exceedingly close to the inside of political life in Washington. In the light of this situation his suggestion that Great Britain should be given a voice in the determination of Pan-American policies, which would mean a voice in the control of the Monroe Doctrine, is indeed amazing. Certainly it would seem to justify the rumor in Washington, to which we recently referred, that Great Britain would be invited to a conference on Mexico. Fortunately, Secretary Kellogg in his letter to the MANUFACTURERS RECORD denied that he had any intention of calling such a conference. Nevertheless, Dr. Rowe's statement is bound to be regarded as an "amazing" proposition.

LET TAXATION CEASE AT THE GRAVE.

IN the advertisement of the Alabama Power Company in our issue of August 13 one very striking statement appeared to the effect that there is no inheritance and no income tax in Alabama, and to this was added:

"Alabama is one of two states which has neither income nor inheritance tax. Alabama is the only state of industrial vantage which offers this inducement to new capital."

Florida is the other state which has no income nor inheritance tax, and this is forbidden by an amendment to the Constitution. Alabama was really ahead of Florida in not having an inheritance tax, but Alabama told nobody about it. Florida told everybody in the country about it when its amendment was adopted. Thus Alabama got no credit throughout the country, no publicity, no wide approval of its lack of inheritance tax, while Florida was universally acclaimed as having made a movement of national importance.

This freedom from an inheritance tax has been worth millions and tens of millions of dollars to Florida. The publicity which it gave to that state has been almost without limit. But Alabama has utterly failed to press upon the public the fact that it was even ahead of Florida in this move. It is true that the Alabama Power Company has occasionally advertised this fact, and it is well that it is doing so; but that fact should have been proclaimed from the housetop, just exactly as Florida did, and the results to Alabama would have been commensurate with the result Florida has achieved by its publicity campaign in regard to its non-inheritance taxation.

And speaking of taxation, the Federal Government should repeal its inheritance tax. That is almost as essential as the lowering of income taxation. It is unjust taxation, and takes from a man's heirs a very considerable proportion of what he has striven to accumulate for their express benefit. It is a heavy burden in many respects upon every estate of any size. It is one of the iniquities of our Federal legislation and should be repealed, and we trust that Southern representatives will not only favor a removal of the Federal inheritance tax, but will help by aggressive work to bring it about. If necessary, tax a man while he is living, but when he is dead and can no longer work to make money let taxation cease.

A BANKER'S SUGGESTION TO THE FEDERAL RESERVE BOARD.

A LEADING Western banker, referring to a recent statement in the MANUFACTURERS RECORD representing the views of the Federal Reserve Board, in which a member of the Board was quoted as saying that the system has to earn its income by the purchase of investments in the open market, "a policy and practice, by the way, which Federal Reserve Board authorities say do not endear the system to the banking world," writes:

"Why should this policy endear the system to the banking world? The Federal Reserve banks now have on deposit some \$2,200,000,000 furnished by member banks without interest. As money is easy and banks are competing for loans, why should this fund be used by Federal Reserve banks in competition with its own members?

"It seems to me if the Federal Reserve Board desires to 'endear the system to the banking world' it will carry out its convictions to fulfil its true mission to aid in trouble, and not compete in normal times."

ACCORDING to the Philadelphia Public Ledger, Prohibition Commissioner Haynes recently was mistaken in Washington for a bootlegger and efforts were made to thrust upon him a couple of orders for unlawful liquor. Mayhap Federal Government officials in time will be awakened to the fact that the capital of the nation is unlawfully "wetter" than even Maryland or New Jersey.

FLORIDA'S TRANSPORTATION FACILITIES ALREADY BECOMING CONGESTED, EVEN IN MIDSUMMER.

IN midsummer, when in former years Florida travel, both freight and passenger, has been at the lowest ebb of the year, it is now so heavy as already to tax the railroads into that state, and the Florida East Coast Railway has had to issue an embargo against such material as brick, cement, lumber and road-building materials, as incoming freight is reported as heavy as, if not heavier than, at any time during the height of the past winter season.

A dispatch from Miami reports that more than 500 cars are tied up in the local yards by this congestion, seriously delaying building construction.

So great is the demand for housing accommodations in Florida, and so great are the needs for road-building material, that of all things it would seem that these should not be embargoed so long as it is possible for the railroads to handle them. And yet the situation evidently is so extremely acute that the East Coast Railway has been forced to take this position. Already passenger trains which usually do not start until late in the winter are now being put on to take care of the heavy movement of population into the state.

Under these conditions it is difficult to estimate what will be the condition both of freight and passenger business to and from Florida during the coming winter. Evidently there is a great need for a very heavy increase in the traffic facilities to and from that state. It is wise, therefore, that the Seaboard Air Line is planning to spend \$18,000,000 in extensions in Florida in addition to the \$7,000,000 which it spent last winter, and to carry on this building campaign with the same kind of rapidity with which its 230-mile extension was built last year in the shortest time in the world's history of railroad construction.

It is evident that we are entering upon a period of activity in Florida's development so far surpassing anything that has been known in this country heretofore that every possible effort should be made to increase transportation facilities by rail and by water. All freight that can be carried South by water should be moved that way in order to lessen the congestion on the railroads. In the meantime, all the railroads entering Florida need to realize to the fullest the supreme importance of exerting their utmost power to meet the conditions which they now face, for otherwise we shall have this winter a congestion of freight and passenger traffic that will be extremely dangerous from accidents and extremely dangerous to all business and building operations. The indications now promise a demand for dwelling accommodations, hotels, apartment houses in Florida far and away beyond anything in sight in the way of facilities for meeting this demand. Under these conditions it becomes doubly important that every other railroad that can build into Florida should do so promptly, for this growth is not to be short-lived, but to a large extent is to be permanent.

For nearly a year the Georgia & Florida road, extending from Augusta to Madison, Fla., has been considering an extension down the West Coast to Tampa and an extension northward to Greenwood. It is extremely important for the good of the territory traversed, as well as of the road itself, that this line should be built, and built with the utmost rapidity. It is to be regretted that this road cannot go into Florida in time to meet this enormous demand for passenger and freight room, but that demand will continue, and so far as can now be seen will for some years to come exceed all the facilities that can be provided for taking care of it.

This Georgia & Florida road, by the extension northward, could be connected with the Duke electric system, and with roads which would carry it by way of the Clinchfield route across the mountains to the West, opening up an entirely new

line of travel from the West through the central South to Florida.

We cannot stress too strongly the necessity for increased railroad transportation facilities, not only for Florida but also for the entire South. The business of that section is growing more rapidly than railroad mileage and railroad power. Not a moment should be lost by railroad people in meeting this condition.

SOCIALISM AN AFRICAN CONTRIBUTION.

THE readers of the MANUFACTURERS RECORD are naturally much more interested in the effects of socialism than in any purely historical discussion of it. Nevertheless, origins are frequently of value for the light they throw upon the fundamental nature of an idea as it appeared before it became obscured by all sorts of appendages and complicated past the capacity of finite mind to comprehend. Furthermore, the direction of a movement can best be plotted, and its ultimate development forecast, if it can be traced step by step from its origin to its contemporary stage. The discovery announced herein, we believe for the first time, is therefore of the greatest practical value as well as unusual academic interest.

It will doubtless come as a great surprise to the world to learn that socialism originated in Africa and was introduced to civilization by the slaves in our own Southern states. Yet in the face of recent discoveries, the truth of this fact can scarcely be questioned. Indeed, the only surprising part about it is the fact that the discovery was never made before. Now that it has been published, we may expect to see innumerable substantiating facts disclosed.

In a work of unquestioned authenticity by the greatest of American students of the negro, his history, folklore and tradition—"Nights With Uncle Remus," by Joel Chandler Harris—the African origin of socialism is established beyond the possibility of a doubt. In the story, "Brother Rabbit Outdoes Mr. Man," Mr. Harris relates how Brother Rabbit was walking along the road one day when he met Mr. Man "a-drivin' 'long de road wid a waggin chock full er money. Brer Rabbit, he aint got no waggin full er money. Ole Brer Rabbit, he up'n tuck a notion dat dey's sump'n' wrong some'rs, 'kaze ef dey wa'n't, he ud have des ez much waggin en money ez Mr. Man. He study, en study, en he can't make out how dat is."

In a single sentence Uncle Remus has expressed the whole sum and substance of socialism. And in one more sentence he has expressed the whole attitude of the Socialist. "He can't make out how dat is."

No doubt can exist that this is socialism, pure and simple. The only question that will arise is, How do we know that it came from Africa? Why couldn't the slaves have learned it after they came to this country? It is a fair question. The answer is very simple. There never were any lions in the South, yet several of the stories in the same volume are about lions, and the illustrations plainly show that they were African lions. Evidently they came from Africa. Further corroboration, if any further were needed, would be found in the fact that at least one of the stories in the book is distinctly cannibalistic, for in it Brer Rabbit makes Brer Wolf eat his own grandmother. And certainly there was never any cannibalism in the South.

Socialism as we know it today has developed considerably from its humble African origin; yet its methods are still essentially the same as those invented by Brer Rabbit on the spur of the moment to mend conditions.

Brer Rabbit, "he study en study. Bimeby he holler out:

"Mr. Man, please, sir, lemme ride." * * *

"Atter so long a time Mr. Man 'gree to let Brer Rabbit ride a little piece. He try ter git Brer Rabbit ter ride up on de

seat wid 'Im, but Brer Rabbit say he fear'd he fall off, en he des tuck'n sot right flat down in de bottom er de waggin, a make lak he fear'd to move.

"Bimeby, w'iles dey goin' down hill, en Mr. Man hatter keep he eye on de hosses, Brer Rabbit tuck'n fling out a great big hunk er de money. Des ez de money hit de groun' Brer Rabbit holler out:

"Ow!"

"Mr. Man look 'roun' en ax w'at de marter. Brer Rabbit 'low:

"'Nothin' 'tall, Mr. Man, 'ceppin' you 'bout to jolt my jaw-bone a-loose.' * * *

"Hit keep on dis a-way twel fus news you know Mr. Man aint got a sign er money in dat waggin."

Now, can anyone find a difference between the fundamental principle of Brer Rabbit's extemporaneous method of *reversing* the inequality and the principle of our more highly developed socialistic taxes?

INCREASING SOUTHERN TRADE NECESSITATING INCREASED TRANSPORTATION.

INDICATIVE of the rapid development of trade between the East and the South is the fact that Moore & McCormack, steamship owners of Philadelphia, will on September 2 begin a new fast weekly freight service from Philadelphia and Wilmington to Tampa and New Orleans. Eight steamships will be put into this trade. Samuel Aitken, vice-president of the company, in referring to the establishment of this line said:

"During the last few months freight offerings have come in almost unprecedented volume. They have clearly indicated that the survey we made of the freight traffic originating in our territory would support a weekly service from Delaware River to Tampa and New Orleans."

Along the same line of increasing trade the Philadelphia & Norfolk Steamship Co. has announced that that company will hereafter maintain a daily freight service between Philadelphia and Norfolk, supplanting the present schedule of three sailings a week. The company has a motortruck system, with seven new trucks to handle the greatly increased freight offerings to the line. Some time ago the company maintained a schedule of two sailings a week, but freight offerings were so great that additional tonnage was purchased from the Shipping Board, enabling the line to maintain three sailings. Since that has been in effect the growth of the business has necessitated a still further increase in the service.

In every direction there are indications that the coastwise business along the South Atlantic and Gulf Coast with the East is destined to a very heavy increase. New steamships are being constantly added to the service of the various lines now operating, and new lines are being established; all of which indicates the tremendous increase that is under way in the volume of trade between the South and the North.

HONEST FIGURES TELL THE STORY.

HONEST figures on the municipally owned street railways of Detroit, says the Free Press of that city, disclose a net shortage of more than \$3,000,000, without considering many possible items on the debit side. And all this, says the Free Press, "in spite of all the scrimping of service which has been going on, in spite of the inconveniences with which the people have been forced to put up, and in spite of a 20 per cent increase in fares." This is commended to the consideration of all persons who honestly and sincerely believe in "Government ownership" or operation of any business, and of the deluded victims of the professional demagogues who preach the Government ownership or the "nationalization" doctrines.

COTTON MILLS OF THE SOUTH ARE SOUTHERN OWNED AND OPERATED.

EVER so often the question is raised as to whether or not the great textile industry of the Southern states is under the control of outside capital. Investigations made in 1922 by the Department of Labor and Industry of Massachusetts for the National Association of Cotton Manufacturers show that Southern cotton mills are owned or controlled almost entirely by Southern capital. According to the North Carolina Commerce and Industry, issued by the University of North Carolina, Chapel Hill, this special report shows that 83.8 per cent of Southern spindles are owned or controlled by Southern capital, or, in other words, are operated to a very large extent by the owners; 14.2 per cent by Northern capital (in some instances Southern branches of Northern mills) and 2 per cent by Western capital. In the inquiry "Northern capital" was considered to be capital controlled north of Washington, D. C., and west of Pittsburgh, while "Western capital" included all other capital controlled north of the cotton-growing states and west of Pittsburgh. The South's proportion of cotton-mill ownership is, therefore, even greater than the figures quoted, for the reason that Maryland, a Southern state, is classified under the "Northern capital" group.

Over 90 per cent of the total number of spindles in the cotton-growing states were covered in the distribution of ownership, which shows unmistakably that the South owns and controls its textile industry, and that any statements to the contrary merely indicate that those who make them are not acquainted with the facts.

The cotton-mill development of the South is the result of Southern energy and capital, and the mills are operated almost exclusively by Southern help—native Anglo-Saxon stock—as compared with over 91 per cent of foreign stock for Massachusetts and 89 per cent for Rhode Island.

THE LIMITLESS POSSIBILITIES FOR INDUSTRIAL EXPANSION.

J. M. MALLORY, general industrial agent of the Central J. of Georgia Railway, Savannah, in writing to the MANUFACTURERS RECORD in regard to a recent article in this paper entitled "Industrial Development the One Outstanding Need of the South," said:

"We need it because we have the raw materials and other requirements. We need it for a balanced development. The most prosperous states, measured by bank deposits, are those with balanced development or whose manufactures exceed the values of agriculture. Ohio, smaller in area than Alabama or Georgia, exceeds both states in the value of farm products, and the value of Ohio's manufactured products is more than eight times that of Alabama or Georgia."

In further elaboration of these points Mr. Mallory submitted the following table showing the area of Alabama and Georgia, the population, the value of farm crops and of manufactures as compared with several Western states:

State	Area sq. miles	Popula- tion	Value of farm crops	Value products of manufacture	Bank de- posits, including postal savings
Alabama	51,998	2,348,174	\$304,349,000	\$492,731,000	\$113,626,838
Georgia	59,265	2,895,832	540,614,000	693,237,000	117,550,846
Michigan	57,980	3,668,412	404,015,000	3,466,188,000	374,907,540
Illinois	56,665	6,485,280	864,738,000	5,425,245,000	1,319,197,205
Wisconsin	56,066	2,632,067	445,348,000	1,846,984,000	311,728,026
Ohio	41,040	5,759,394	607,038,000	5,100,309,000	707,437,632
Indiana	36,354	2,930,390	497,230,000	1,939,753,000	304,828,457

There is not a Western state mentioned in this list which has as many natural advantages for manufacturing as Alabama, and yet Alabama's industrial development, measured in this way, seems triflingly small as compared with what Michigan, Illinois and other Western states are doing.

Ohio, for instance, with 10,000 square miles less area than Alabama, has more than ten times the value of manufactured

products that Alabama has, and more than seven times as much as the state of Georgia, though it is 18,000 square miles smaller than Georgia.

Until the South develops its industrial interests based on area and on natural advantages in keeping with what these Western states are doing—and even stronger showings could be made as compared with New England states—it will not attain unto its full measure of prosperity. The field is limitless. The prospects of the future in this respect are dazzling beyond the power of words to express.

HOW TO UPBUILD THE SOUTH.

THE Journal-Herald of Waycross, Ga., in commenting on the fact that Daytona, Fla., has been able to raise a \$150,000 fund for the maintenance of its Chamber of Commerce and for publicity work, says:

"There is no mystery about the startling development of Florida. It is merely that Floridians are at work for Florida."

That is the truth stated in a nutshell. Floridians are working for Florida with a tremendous earnestness and the result is the nation-wide talk about Florida. This is not a new creation; it has not come about merely by the work of the last year or two. Florida has for years been laying the foundation for its present success. It is only reaping now the harvest from the seed it has been sowing for years. There is probably not a state in the South in which the same conditions could not have been developed if the same spirit of enterprise and energy and liberality in publicity work had been as prevalent as it has been in Florida for many years. We would not in the slightest minimize the charms and attractions of Florida, but there are charms and attractions in every other Southern state. There are resources in every Southern state justifying a development fully commensurate with that which is now seen in Florida, but the people of the other Southern states have not had the same kind of untiring, unending enthusiasm for their states, with the same liberality in expenditures, to make them known.

"Floridians are at work for Florida" and that is why Florida is a subject of national discussion at present. But Georgians could, in the same way, be at work for Georgia, Carolinians for the Carolinas, Virginians for Virginia, and Alabamans for Alabama, and on down the line.

Faint heart never won; niggardliness in the expenditure of time, thought and money could never win. Money might be poured out in an endless stream, but unless it was backed by the right kind of spirit at home it would be largely wasted. The folks must have faith in their community and in their state. They must talk it up to themselves. They must inspire their own people, and when the stranger comes the very atmosphere must be redolent of enthusiasm based on the truth.

Here and there are to be seen signs that the South is waking up on these points, but the awakening must be complete, the spirit of enthusiasm must be born anew and the energy must be of the most untiring kind, with a determination that will admit of no setback. Every community in the South today which is alive and energetic, and which is achieving things, has done so under greater handicaps and greater disadvantages than nine out of ten communities in the South are laboring under. Birmingham, Atlanta, Chattanooga, Shreveport, San Antonio, Dallas, Fort Worth, Augusta and the sandhill regions of the Carolinas had years and years of constant fighting to win their way against almost overwhelming odds, but they had the spirit and the bulldog tenacity to hold on and the same kind of grit and energy which today is making Florida what it is. A thousand places in the South can succeed in the same way if they have in themselves the same kind of energy and determination.

DECLINES TO BE BULLDOZED.

IN marked contrast with the cowardice of Congress and the complaisance of some religious organizations in dealing with the intimidating demands of organized labor is the attitude of the Oklahoma City Chamber of Commerce in declining to temporize with the typographical union of that town.

As the conclusion of a letter to the Chamber of Commerce, W. H. Lacey, president of Oklahoma City Typographical Union No. 283, said:

"Believing that the open-shop movement has been a detriment to the best interests of Oklahoma City, and especially the printing industry, I request, on behalf of Typographical Union No. 283, that the officials of the Oklahoma City Chamber of Commerce appoint an unbiased committee to make a survey of the conditions of the printing industry in the city with a view of ascertaining the correctness of the following conditions:

"1. That the so-called open shop is a misnomer, in that said shop is only open to those seeking employment who are not members of any union.

"2. That sanitary conditions existing in said open shops are not as conducive to the health of their employees as those maintained in the offices under the jurisdiction of the union.

"3. That the wage paid to the employees of open shops is not sufficient to make them an asset to the community.

"4. That since the year 1921 wages of open-shop employees have been reduced fully 33½ per cent.

"5. That employees of open shops are far less proficient than those employed in union offices.

"6. And of far more importance than any of the above contentions is the fact that at least 50 per cent of the printing which rightfully belongs to the industry in Oklahoma City has been driven to other cities by the unwarranted activities of the open-shop division."

To which Ed Overholser, president-manager of the Chamber of Commerce, replied as follows:

"I have received your letter asking that I appoint a committee to investigate conditions in the open shop. I shall not do this for the following reasons:

"First—If these conditions exist, as you claim, there are laws and governmental departments now in existence whose duties are to make these investigations and remedy the conditions if they exist.

"Second—The Chamber of Commerce of Oklahoma City has decided on previous occasions that it stands for the constitutional privileges of every citizen to work, worship and pursue happiness as he sees fit, without the interference of any organization or individual.

"We do not object to, or oppose, any organization in the interest of any craft, trade or producer so long as that organization does not try to dominate by force the activities of the people outside of it.

"We are pledged to the principle of the American Plan Open Shop and will not enter into any controversy or agreement with those opposed to this principle.

"We do not believe that any town can prosper when absolutely dominated by one class or a minority of its citizens."

There speaks common sense rather than courage, for no courage is needed by a majority in the right when it defies a minority in the wrong. Members of Congress and of state legislative bodies, both individually and collectively, well might study this letter from the Chamber of Commerce and adopt the Chamber's attitude.

THEORIES—NOT FUNDAMENTALS.

IN committing a youth to jail a justice of the peace in New Jersey wrote the commitment paper as follows, according to the New York Herald Tribune:

"William K. Irland did commit misliefte mistcheft and did act in a disardly maner by braking and bending the hys and radieter of a foad turing care, the sead turing care being the propity of Gorge F. Irland therefore the sead William K. Irland was a disardly person."

From which one might surmise that the official had been taught various and sundry theories—such as evolution, for example—while in school, instead of the "three R's" and other obsolete and useless fundamentals.

Where Boll Weevil Poverty Brought About Diversified Prosperity.

THE TOBACCO INDUSTRY HAS CREATED A NEW SPIRIT IN SOUTH GEORGIA FARMING.

By J. M. ASHLEY, Valdosta, Ga.

It is customary to reckon the ending and beginning of progress from wars and other disastrous events. This is doubtless due to the devastation caused by such agencies. All development is stopped by disaster and must begin again after the disturbing element has been removed or is under control. So it has become the fashion in the South to date agricultural changes from the invasion of the boll weevil, an invasion which the ingenuity of man has not as yet been able to repel.

The boll weevil was particularly disastrous to the extreme Southeastern section, and obviously so because of favorable temperature, precipitation, vegetation and other natural conditions, some one of which is always at hand aiding and abetting the enemy.

It has been said that farming is the only business that succeeds even though it fails. In times of farm adversity the

well established and is bringing prosperity to the southern part of south Georgia and a few counties in north Florida.

The tobacco grown is what is known as bright-leaf tobacco, and is used largely for pipe and cigarettes. Quite a bit of the choice product is in demand as "wrappers" for plug tobacco and certain grades of cigars. The yield is from 700 to 1800 pounds, averaging about 1000 pounds per acre, and is grown, harvested, cured and marketed at a cost of approximately \$60 per acre. The price ranges from five cents for low grades to 80 cents and \$1 a pound for the choice wrapper stock. The markets at this time, the beginning of the season, are averaging around \$20 per hundred.

A few instances of actual results, which are by no means exceptional, may more clearly illustrate what farmers are able to make on tobacco in south Georgia. The plants are set about the middle of April, harvesting and curing are



A FIELD OF BRIGHT LEAF TOBACCO.

wise farmer lives at home and, out of forced frugality, changes of methods and crops, prosperity comes. And this is what is happening to the farmers in south Georgia. Many of the weak-hearted moved away, and labor went, too, but those who practiced home living and worked out a system of diversification are now coming into their own.

This change did not come overnight. Many crops and many methods were tried, and many failures resulted. Finally, crop wabbling grew less and has now practically disappeared.

But the one bright star of hope, the savior to the farmer, is tobacco. After several years of experiment and demonstration and the close inspection and investigation made by the large tobacco buyers and manufacturers, the industry is now

practically completed by the first of August, and the marketing is all done before September 15.

James Brown, Valdosta, Route 6, planted five acres; gathered 6250 pounds, which sold for \$1575.90.

V. A. Peters, Valdosta, Route 1, had 12 acres, which produced 11,426 pounds and sold for \$2720.01.

J. H. Seymore, Alapaha, Ga., planted six acres, cured out 8384 pounds and sold it for \$2783.29.

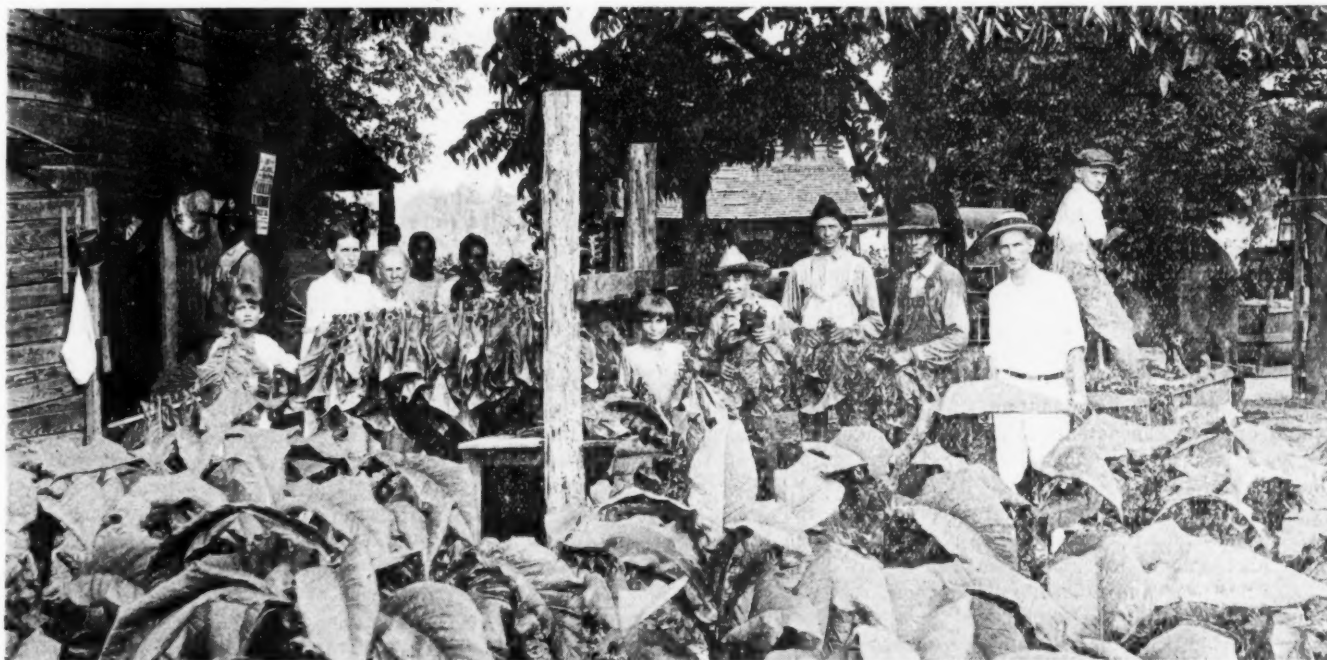
Fisher Jones, Nashville, Ga., had a crop of five acres, sold 5758 pounds for \$1523.16.

While south Georgia as far up as Dougherty, Crisp and Dodge counties is paying more or less attention to tobacco, that section of south Georgia and north Florida known as the sea-island cotton belt, which formerly grew the fancy

long silky staple of this variety of cotton, for some unknown reason seems to produce the best grade of bright leaf tobacco, and it is to this particular section that the buyers and manufacturers are largely turning their attention. Cleaning, redrying and stemming plants have already been established. The Imperial Tobacco Company has a fine plant at Tifton, and the China American Tobacco Company has located clean-

a system of rotation and diversification with corn, peanuts, potatoes, hay and cover crops, with some cotton, melons and truck as the principal rotating crops. A significant feature of these leading crops is that they are all of national use and are not confined to any particular section for a market.

And still another bright side to this bright-tobacco business is that the acreage planted in tobacco on each farm must



STRINGING TOBACCO PREPARATORY TO PLACING IN THE BARN TO BE "FIRED."

ing and redrying plants at Douglas and Valdosta. Other large companies have established headquarters and general offices in this belt, notably the R. J. Reynolds Tobacco Company at Valdosta, which town is also headquarters for the weekly conferences of the Circuit Riders and other chief officers of the buyers.

There are 43 markets operating in Georgia this season, and the crop is estimated all the way from 50,000,000 to 65,000,000 pounds, more than double the number of markets of last

necessarily be small, which leaves a large number of acres for grains and rough crops, which in turn are arousing more interest in livestock, particularly hogs, farm dairying and chickens. Hog markets, creameries and chick hatcheries are already established in a number of towns.

This bright future for agriculture in this section is being reflected in the towns. Bank deposits are on the increase, old debts are practically wiped out and a period of substantial development is here. A large amount of civic improvement is being done by many towns in south Georgia. Modern hotels, business houses, schools, churches and hospitals are being built. Real estate transactions are frequent. Farms are being sold at unusually satisfactory prices. Capitalists from other sections are investing and are laying plans for developing agricultural lands and beauty spots for resorts, appreciating the delightful winter climate of this section, which is considered more comfortable by many than the climate farther south.

The near future of south Georgia is indeed bright, and this bright outlook is due in the main to the bright-leaf tobacco industry.



GATHERING THE RIPE LEAVES.

season and twice the quantity of tobacco produced. Valdosta, Nashville, Douglas and Blackshear are recognized as the leading markets.

Another bright side to the tobacco industry in south Georgia is that rotation of crops is essential to continued success. Realizing this, farmers are naturally falling into

Oklahoma State Buildings to Cost \$500,000.

Oklahoma City, Okla.—Contracts have been awarded by the State Board of Affairs for the erection of 11 state buildings at a cost of more than \$500,000. The proposed structures include a receiving building and tuberculosis ward at the Eastern Oklahoma Hospital for the Insane at Vinita to cost \$203,950; three buildings at Western Oklahoma Tuberculosis Sanatorium at Clinton, \$72,995; two buildings for the Deaf, Blind and Orphan Institute at Taft, \$56,100; two buildings for Southwestern State Teachers' College, Weatherford, \$48,330; administration building for Central State Hospital at Norman, \$99,000, and superintendent's residence for School for Deaf at Sulphur, \$21,434.

Do the Union Miners Want a Strike?

By MAD ANTHONY.

Sometimes when Government administrations find themselves beset by internal difficulties they wage war against another country in order to divert the attention of their people and stir up an excess of patriotism. Sometimes union administrations do the same thing.

The conference between the leaders of the Miners' Union and the coal operators have not been particularly cheering. The union officials have not shown a very conciliatory attitude, and it is possible that they have very good reasons entirely their own for welcoming a coal strike this fall.

It happens that the officials of the Miners' Union have some very good reasons for wishing to stir up the loyalty and ambitions of their members. The American Federation of Labor has lost heavily in membership since the war, and the greatest portion of that loss occurs among the miners. This was due to certain economic conditions. Experts seem to agree that there is heavy overproduction in the coal fields and there are long periods of unemployment. The union operators are at a disadvantage in competing with the non-union mines. The non-union mines can undersell them, and in slack seasons the non-union mines get the bulk of the business.

This situation quite naturally reflects on the workers. While the union miner gets a higher daily wage than the non-union miner, the non-union miner works many more weeks per year and finds his employment reasonably steady. These long spells of unemployment have driven many union miners to drop out of the industry entirely and to seek employment elsewhere, with a consequent loss of membership in the unions and a loss of revenue.

But this is not the only difficulty which faces the union officials. Communism has made rapid strides in the unions in the past year or two, and within the Miners' Union there is a strong group of Communists. Following their usual tactics, they are attacking the union administration at every possible point. They are spreading criticism and dissension among the rank and file and the leaders are having a difficult time holding their place in the sun.

Labor leaders before have been known to resort to drastic action when their jobs were at stake. Sometimes the results have been highly satisfactory from the standpoint of the

leaders and sometimes they have been devastating. It is a drastic measure and usually a last resort.

Union members, like members of all organizations, lose interest when things run a smooth course. It takes trouble and a fight to arouse them. Also, a strike gives an excellent opportunity to organize in new fields. Here is something concrete to be gained and an opportunity for action. To go to men and urge them to join the union and pay dues—and don't forget that men look at their dollars a long time before they pay them out as dues to an organization unless they see some very real gain—without having something to offer them isn't very fruitful of results.

For the past year or two labor leaders, both in the Miners' Union and in the American Federation of Labor, have been fully aware of the fact that if the Miners' Union is not to entirely disintegrate, these non-union fields must be organized. Outside organizations, such as the League for Industrial Democracy, have taken up the cry. The union cannot go on competing with the non-union coal fields. Their life depends on organizing these non-union fields.

A strike at this time is a desperate measure, but it seems the only one left to them. And if a strike is called we will find the entire labor and radical forces strongly back of it. The American Federation of Labor has sustained its heaviest losses through the Miners' Union. The American Federation of Labor is seriously worried over how it is going to rebuild its strength. Its hope of so doing lies in the action the miners may take. Therefore, the American Federation of Labor can be counted upon to welcome and warmly support a strike at the present time.

Short of granting every demand which the unions make, the coal operators have very little chance of averting such a strike. Diplomatic offers of the President and the Administration will avail little. As usual, the public suffers. But so far as the union officials are concerned, the public doesn't count for very much. With them the union is the entire story. If it is true that the union officials want a strike in order to build up their own organization and avert the calamity which threatens them, then the public and the operators can do very little, and the only thing we can do is to suffer in patience and let the strike take its course.

Electrochemical Society Will Inspect Muscle Shoals.

The annual fall meeting of the American Electrochemical Society, which will be held at Chattanooga on September 24, 25 and 26, will closely follow completion of the Wilson Dam at Muscle Shoals, and the Society will make an inspection trip to this point as part of the program.

Chattanooga is considered interesting territory for members of the Society. In and around the city are 378 factories, making 1329 kinds of products, for which cheap transportation on the Tennessee River affords easy distribution. The Tennessee Electric Power Company now has about 233,000 horsepower available for industries and factories on completion of the work at Muscle Shoals, and much additional power will be placed at the service of the Chattanooga district. This supply of cheap power is expected to stimulate the growth of the electrochemical industry in that vicinity.

Headquarters of the Society will be at the Signal Mountain Hotel. The first two days will be taken up with the technical program. The subject of the symposium will be "The Relation of Electrochemistry to the Fertilizer Industry," Dr. H. C. Parmelee will be in charge. Papers will be offered on nitrates, phosphates, hydrogen, potash and other subjects,

and a round-table discussion will be conducted on "Electric Ferro Alloys."

On Saturday, September 26, members and guests will spend the entire day at Muscle Shoals. This will afford opportunity to inspect the great dam, a development of interest to the electrochemical industry. A further program of visits among the local industries and nearby places of interest has been arranged by the local committee, of which Paul J. Kruesi is chairman.

Work Begins on \$800,000 Hotel.

Miami, Fla.—Construction has begun on the 12-story hotel to be erected in this city at Northeast 5th street and Bayshore drive by the Biscayne Bay Hotel Co. at a cost of approximately \$800,000. The first floor will provide space for a large lobby, shops and offices. The second floor will contain a dining room to seat 130 guests; it will also accommodate the kitchen, lounge and parlors, and will contain a wide balcony along the bay front. The 10 upper floors will be devoted to guest rooms, and on the roof there will be a bungalow and garden. The building will be served by three high-speed elevators. E. L. Robertson and L. R. Patterson of Miami are the architects, and the George W. Langford Construction Co. of Louisville and Miami, general contractors.

Colonel Barden's View of Muscle Shoals as Submitted to the President's Commission.

War Department,
United States Engineer Office.

Seattle, Wash., August 11.

Editor Manufacturers Record:

Receipt is acknowledged of your letter of June 24, 1925, asking that a copy of my reply to the letter of the Commission on the Muscle Shoals inquiry, giving my views on the matters before the Commission, be furnished you.

In compliance with your request, a copy of my letter is inclosed herewith.

Should you find it desirable to use or publish any portion of it, I request, in view of my former official connection with the work at Wilson Dam, that it be made clear that the views expressed are merely my own, and should not in any way be considered as representing the attitude of the Chief of Engineers or the War Department in the matter.

According to the press reports, a bid of 2 mills per kilowatt hour at the switchboard has been received for the power to be generated in testing the machinery. This power is presumably unreliable, so that this bid fixes a minimum value (for ordinary commercial purposes) of the power generated at the dam which in any complete economic study of the situation should be considered in connection with the proposition to use this power for the manufacture of nitrates.

W. J. BARDEN,

Colonel, Corps of Engineers, District Engineer.

"May 15, 1925.

"Hon John C. McKenzie.

"Chairman, Commission on Muscle Shoals Inquiry,
"451 House Office Building,
"Washington, D. C.

"My Dear Mr. McKenzie:

"I have the honor to acknowledge receipt of your letter of April 21, 1925, requesting me to submit my views on the matter before your Commission.

"My active connection with the work at Muscle Shoals ceased two years ago, when I left Wilson Dam, and my information as to recent developments is, therefore, not first hand. Only certain rather general statements or comments can therefore be made.

"The first paragraph of your letter states: This Commission has been appointed by the President to 'assemble reliable information as to the best, cheapest and most available means for the production of nitrates and other products for munitions of war, and useful in the manufacture of fertilizers and other useful products by water-power, or such other power as may be best and cheapest to use,' as it applied to the Muscle Shoals development.

"I take it that, in effect, this means that the problem under consideration is primarily the determination of the best disposition to be made of the existing developments at Muscle Shoals, including the nitrate plants and accessories, the Sheffield steam plant and Wilson Dam.

"It appears to me that the most important thing to be considered in studying this problem is (a) whether Congress, in making provision for a 'nitrate supply' in section 124 of the National Defense Act of June 3, 1916, intended, or now intends, merely to provide for national preparedness for war so far as fixed nitrogen is concerned and, incidentally, to provide cheaper nitrogen for fertilizer *if this can be economically done*, or (b) whether it is the intent that these plants should be used for manufacturing nitrate in time of peace for fertilizer purposes and for its sale in competition with nitrates from other sources, irrespective of the direct or indirect cost to the United States.

"It is my understanding that very cheap power is required for the fixation of atmospheric nitrogen on a commercial basis by the cyanamid process (that used at Plant No. 2*), and I

*Nitrate plant No. 1 is not considered in this discussion, as its capacity is relatively small and it uses only a small amount of power, which is provided by its own power plant.

think that much confusion has been created in the mind of the public and in Congress by the belief that such power will be available at Wilson Dam.

"The history of this project is undoubtedly familiar to the Commission and will not be repeated in detail. The development of the Muscle Shoals section of the Tennessee River for the combined purposes of power and navigation had been under official investigation for a number of years prior to the passage of the National Defense Act on June 3, 1916. The width of the river made very long and consequently expensive dams necessary, so that private interests were at first unable to finance the entire work or even such portions of it as were necessary to meet what the Engineer Department could recommend as a proper expenditure for navigation. The matter seemed, however, in a fair way for settlement in connection with an offer made by the Muscle Shoals Hydro-Electric Co. (a subsidiary of the Alabama Power Co.), in 1913, which was the subject of a favorable report in March, 1916, by the Engineer Department, published in House Document 1262, Sixty-fourth Congress, First Session.

"In view, however, of the passage of the National Defense Act which contained section 124, providing for a nitrate plant or plants, and the subsequent entry of this country into the war, no action was taken on this report.

"During the war the nitrate plants, Nos. 1 and 2, and auxiliaries were constructed near Sheffield, and the construction of Dam No. 2 (Wilson Dam), which was a part of the project outlined in the House Document above referred to, was ordered by the President on February 23, 1918, under the provision of the National Defense Act, presumably to furnish cheaper power for nitrate plant No. 2 than could be furnished by the Sheffield steam plant. Preliminary work on the dam was started in 1918, but was later suspended by order of the War Industries Board and was not again resumed until 1919. It was again suspended in April, 1921, due to shortage of funds and the failure of Congress to provide for its continuance, and remained suspended until the latter part of 1922, when it was resumed and has been carried on steadily since.

"Under these conditions the work has cost more than was anticipated, and it is not believed that very cheap power will be available, even after allowing a proper charge for navigation benefits. The initial installation, consisting of eight units, will develop about 264,800 horsepower and the cost will be between \$40,000,000 and \$45,000,000. The primary horsepower, however, is only 87,300, corresponding to a flow of 10,000 cubic feet per second, which has been available for 99.4 per cent of the time for 50 years; 100,000 horsepower would be available a little more than 97 per cent of the time; 141,000 horsepower about 83.3 per cent of the time, and 306,500 horsepower about six months of the year. If the steam plant be operated in connection with the power plant of the dam, the primary power would be increased from 87,300 to 167,300 horsepower.

"Several years ago the Ordnance Department figured that even without any allowance for interest on the investment, nitrate plant No. 2 could not be operated for the manufacture of ammonium sulphate in competition with nitrogen from other sources unless power at 1 mill or less per kilowatt hour were available, and that this should be primary, or at least 10 months' continuous power.

"Conditions may have changed since, but it is my belief that an intelligent consideration of the problem before the Commission requires:

"(1) A careful estimate of the cost to the United States of power from Wilson Dam and from the steam plant, this cost to consist of operation, depreciation and interest charges on the investment (after deducting a proper proportion of the cost of the dam to be charged against improvement for navigation).

"(2) As exact an estimate as can be secured of the rate at which power must be furnished nitrate plant No. 2 in order that it may be able to manufacture nitrates for fertilizer as less than the cost for which they can be purchased from other sources.

"(3) The probable price for which the power from the dam and the steam plant could be sold at the switchboard or transformer to public-utility companies for general commercial use.

"(4) Whether it is essential that nitrate plant No. 2 should

be operated in time of peace in order that it may be in readiness for use in manufacturing nitrate for munitions in time of war.

"If the answer to (4) is in the affirmative, the plant must necessarily be operated at whatever capacity may be necessary to keep it in condition for use in war and the product disposed of, if necessary, at a loss. The cost involved would be that required to be paid for nitrogen preparedness.

"If the answer to (4) is in the negative and the cost of (1) does not exceed that of (2), it would appear that nitrate plant No. 2 could be operated for the manufacture of nitrates for fertilizer without cost to the United States and with benefit to the farmers. But even in this case, if the power were furnished to the nitrate plant at a less charge than that for which it could be sold for general purposes (4), there might properly be a question as to the economic advisability of such a plan.

"If the answer to (4) is in the negative and if (1) is greater than (2), it seems evident that the operation of the plant for the production of nitrates for fertilizer and their sale at less than ordinary commercial rates would only be at the expense of the public at large for the benefit of those using fertilizers, i. e., a subsidy. It remains, of course, for Congress to determine whether this is desirable, but it should certainly have the facts clearly placed before it in order that action may be taken advisedly.

"My personal opinion is that the situation will be found to be as discussed in the preceding paragraph, viz. (a) that the operation of plant No. 2 in time of peace, at least at large capacity, will not be found essential to keep it in readiness for use for the manufacture of munitions in time of war, and (b) that the cost of power from the dam and steam plant will be greater than that at which power must be supplied to the nitrate plant in order to permit it to manufacture nitrogen at less cost than that for which it can be procured from other sources. Under these circumstances, I feel that the nitrate plant should be maintained in a stand-by condition, that the steam plant should be leased and the power plant at the dam operated and the power sold—all under the direction of the Secretary of War, the dam plant being operated by the Engineer Department. Necessary provision should, of course, be made for cancellation of leases in time of war. An alternative plan would be to lease the power plant at the dam under the provisions of the Federal Water Power Act, reserving the right to require the necessary power to be furnished for the nitrate plant at reasonable rates in national emergency.

"In brief, it is my opinion that an analysis of the situation along the lines above suggested will lead to the conclusion that nitrate plant No. 2 cannot be economically operated for the manufacture of nitrate for fertilizers, using the available power—that is, from Wilson Dam and the Sheffield steam plant. I do believe, as I stated to the committee of Congress on their visit to the dam in 1921 and later in my testimony at Washington, that the power from Wilson Dam (preferably in connection with that from the steam plant) can be sold at a price which will yield a reasonable return, probably about 4 per cent, on the estimated cost of completion at that time (about \$25,000,000), or that the same result can be secured by leasing the dam and power plant under the terms of the Federal Power Act.

"I am unable to give any helpful suggestions as to the best arrangements to be made in case it is decided to operate the nitrate plant irrespective of cost, except that I think that in such case all of the properties involved, including the dam, should be leased for operation by a private concern under the best obtainable terms, and that Congress should delegate the authority to make such lease to the President without other than very general directions as to the methods to be adopted.

"It is improbable that I could give the Commission any assistance of value, but if it should desire that I appear before it personally it would be entirely agreeable for me to do so.

"Very truly yours,
(Signed) "W. J. BARDEN,
"Colonel, Corps of Engineers,
"Division Engineer."

Miami Beach Considering \$347,000 Bond Issue.

Miami Beach, Fla.—Plans are being considered by the City Council of Miami Beach for the issuance of \$347,000 of additional bonds, which will bring the total available during 1925 for public improvements to \$2,627,000. Proceeds from the sale of this issue will be used to pave and curb streets north of Collins Canal.

The Importation of English Clays as Ballast or at Very Low Freight Rates.

T. V. O'Connor, chairman of the United States Shipping Board, in a letter to Senator Duncan U. Fletcher in regard to importations of English clays, said:

"Yours of the 8th inst., referring to importations of English clays, was referred to the Traffic Department for investigation, and now I am able to send you the following facts as reported to me:

"Section No. 28 of the Merchant Marine Act is still suspended—you will recall the effort made by the Board to have this provision made effective and the overwhelming opposition which developed.

"The tabulated statement attached will show that your judgment as to the flagships bringing these clays to the United States is correct—i. e., American ships bring but a negligible quantity.

"You are also correct in your assumption that much of this clay is brought at a very low rate, or practically as ballast. The rate on these clays prevailing today is \$3.17 a ton, and the cost of handling is reported to me as \$4 per ton, so that the clays are transported not because there is a profit in carrying them, but because vessels otherwise would be coming to the United States empty, and they utilize these clay cargoes for that reason."

STATEMENT OF IMPORTS OF CLAY FROM THE UNITED KINGDOM TO UNITED STATES NORTH ATLANTIC PORTS FOR THE CALENDAR YEAR 1924.

From	To	Imports of Clay (in tons of 2,240 pounds)	British Vessels.	Other Vessels.	U. S. S. B. Vessels.
Fowey	Baltimore.....	21,693	6,724	14,969	0
"	Boston.....	35,738	16,951	18,787	0
"	Hampton Roads....	10,104	3,865	6,239	0
"	New York.....	11,209	4,293	4,403	2,513
"	Philadelphia.....	148,928	69,736	79,192	0
"	Other United States N. Atlantic Ports	123,163	91,787	31,376	0
Total.....		350,835	193,356	154,966	2,513
Bristol	New York.....	11,012	10,388	0	624
"	Philadelphia.....	22,896	22,896	0	0
Total.....		33,998	33,284	0	624
Avonmouth	Baltimore.....	2,771	0	0	2,771
"	Other United States N. Atlantic Ports	5	5	0	0
Total.....		2,776	5	0	2,771
London	Philadelphia.....	2,382	2,382	0	0
"	Baltimore.....	51	51	0	0
Total.....		2,433	2,433	0	0
Grand Totals.....		389,952	229,078	154,966	5,908

President L. A. Downs of the Central of Georgia Railway Company, writing the MANUFACTURERS RECORD about these clay importations, said:

"You are entirely correct when you say that 'the clay industry of the South is one of the most promising in that section.' I do not know of anything that affords greater opportunity for development and that holds out brighter prospects for success. As you know, the Central of Georgia has had this matter very much at heart for the past five years. I think all of us who are interested in the South should determine that we will leave nothing undone to promote its ceramic resources."

Contract for \$3,000,000 Esperson Building.

Houston, Texas.—General contract has been awarded by Mrs. Niels Esperson Stewart to the American Construction Co. of this city for the erection of the proposed \$3,000,000 Esperson Building at Travis street and Rusk avenue. As previously reported by the MANUFACTURERS RECORD, the building will be 32 stories, 150 by 150 feet, of Italian Renaissance architecture. It will be of steel frame construction, with brick and stone exterior, concrete floors, tile roof, and will be equipped with six high-speed electric passenger elevators, vacuum steam heating system of the oil-burner type, and other modern facilities. John Ebersson of Chicago is the architect, while Harry E. Weaver, also of Chicago, has been appointed associate architect to supervise construction.

Interesting Suggestions About Possibilities for Enriching the South

BY COLONEL CARACRISTI, FORMERLY OF RICHMOND, VA.

[In a letter enclosing the following article, which opens up many suggestive lines for investigation by the Southern people, Mr. Caracristi writes:

"I am enclosing a letter which may be of interest in the organization of unproductive lands in the South and Southwest. The matter is treated very superficially, but is worthy of elaboration by a more competent writer on the subject.

"I do not know if the mangrove or mungle will grow on the Gulf coast. It is a land builder. It can convert the 'trembling prairies' of Louisiana into solid ground. The tree grows in salt water as well as sweet. It is used for tanning purposes, just as the divi divi is.

"The South has lots of land which will grow the castor oil bean, each plant giving 10 pounds. I experimented in Mexico and found that the bean, when shelled, could be used, pulp and all, in the making of lime and other soaps. In the laboratory, I discovered further, and a very important discovery this is, that this oil, heated and treated to sulphuric acid, produces a viscous liquid that will dissolve nearly any soluble substance without burning it, and for washing clothes is far better than soap, lye or any other substance yet known. This will grow on land that will produce nothing else."

Mr. Caracristi is an engineer who for years gave most of his time to the investigation of mineral and oil properties in the United States, but for some years now has spent most of his time in foreign lands, and has been located for the last few years in Venezuela, engaged in making important investigations of oil properties.—Editor Manufacturers Record.]

Caracas, Venezuela, August 8.

Editor Manufacturers Record:

I made a call today on my good friend, the American Consul, and he gave me a copy of the MANUFACTURERS RECORD dated June 4 last, in which I find two important and practical editorials, one on the rubber monopoly of Great Britain and the other on the cultivation of the Mesquite tree in the semi-arid zones of the Southwest. I am not a botanist and it may be an assumption on my part to write on a subject that to me is known only because of practical, rather than theoretical, intelligence.

As you know, I have lived the major part of my life in the deserts and forests. I am on friendly terms with most of the plants and animals of these regions, but have never been formally introduced to them and, although I know them by sight and their personal address, I have been too lazy to look into a book on botany and zoology to learn their names.

The Mesquite, I believe, belongs to the Acacia family, of which there are many species represented in all parts of the world. In order to develop this plant of the semi-desert into economic results, it is necessary to study it scientifically. In this country is found the greatest of these trees, locally known as the Samán (genisaro), and I have seen one near Villa de Cura, state of Aragua, the branches of which cover one acre of land. I saw greater in my explorations in the valley of the Amazon-Orinoco, but I mention this one in particular because it is found on the public road.

The timber from this tree is very durable and has a fine finish. It is perfectly adaptable to the fresh-water regions of Florida, Louisiana, Alabama (Baldwin county), Mississippi and Texas; also, southern California. This requires swampy land. The Divi Divi, used for tanning, could be planted in the semi-arid regions of the same states, near salt water—that is, where salt breezes will reach the plant. The divi divi belongs to the Mesquite family and resembles it so much that only an expert can tell them apart. Its wood, which grows larger than the former tree, has the strength of the lignum vitae, and is indestructible in the ground.

In British and French Somaliland and in Abyssinia is found a Mesquite that develops umbrella-like forms. It exists in great abundance in the semi-arid regions. A wise man of Abyssinia once told me that the umbrella-like shape of the tree was due to the law of the survival of the fittest—that deer and other herbivorous animals kept eating the plant, when it retained its normal form, until they destroyed all except those plants having an umbrella form. The leaves then began to grow on the top of the tree, according to this

wise man, and it was necessary for the giraffe, which thrived on the plant, to develop long necks as the height of the tree increased. This may or may not be true; however, it is certain that this Mesquite, if hybridized with our own, would increase its size and resistance to drouths. The Algarobo and our honey locust of the Southern states are also of the Acacia family.

In Texas and New Mexico, as well as Old Mexico, is found a cedar, or juniper, which grows in the driest sections of the arid regions, particularly in gypsum soil, where nothing else will grow. These cedars are very knotty, as a rule, but I have seen straight ones. The wood is valuable and it should not be difficult to select seed from the straight species and plant it in the desert or semi-desert.

But, while we are on the question of reclaiming waste land and making it valuable to humanity, why has not some one initiated the profitable industry of planting bamboo from this and neighboring countries in the swamps of Florida and Louisiana? An American employed by the President of this country in his paper factory at Maracay is producing the highest grade paper from this material, which will grow in the swamps of our own country, and when cut will resprout immediately.

Also, why have we not introduced in our vast swamps the water buffalo, as General Gómez, the President of Venezuela, has introduced it into Venezuela? This animal has given remarkable results in the Valley of the Orinoco. If I recall well, Senator Robert Broussard once proposed the raising of this and similar fauna in the swamps of his state, but the idea seems to have been taken as a joke. We have here a water hog locally called Chivire, which is a source of food in the river valleys. This could be used in the swamps also and would give splendid hunting sport.

In this country the water hyacinth, so troublesome in the south and southwestern coastal rivers, is used as fertilizer. I have never analyzed it, so do not know if it really contains fertilizing elements or not outside of humus.

Getting back to the acacias, the Divi Divi plant will thrive abundantly along the Atlantic, Gulf and Pacific coasts, outside the frost zones. I know a family living on the island of Margarita (semi-arid zone) that lives on the income from five acres of Divi Divi. The trees are great producers and are said to live over 100 years. America's paper pulp supply is a matter of concern and the price is artificially raised because of monopoly. Not being, myself, conversant with the state of this industry, I am forced to accept the published statement that newspaper pulp material is getting scarcer every day. If this statement is founded on fact, nothing

better could be done than to utilize our swamps for the growing of bamboo and reed cane, both of which produce good paper pulp, the reed in the North and the bamboo in the South.

The shrub *Poinsettia*, which so beautifully brightens the home at Christmas time, grows freely in Florida. If I recall rightly, I sent the *MANUFACTURERS RECORD* information in 1907 from Austin, Texas, in which I announced that I had made tests of this plant as a rubber producer and that it contained sufficient to make cultivation commercially profitable. I now repeat this statement and suggest that some chemist go to the nearest greenhouse and buy a plant and separate the rubber with alcohol. A plantation of this shrub will last for years, as the cutting will not kill the plant and it will sprout again. This should help the rubber situation; but one has to hit a nail many times before it will enter, particularly if the wood is hard and the hammer light, and my experience proves that a prophet gets neither profit or glory.

It would give me pleasure to send some seeds of the plants that grow here and which might give result in the South and Southwest, provided arrangements are made with the Department of Agriculture to permit their importation. I shall be particularly glad to send some seed of our perennial cotton, which grows 10 feet high in semi-arid land where the rainfall exceeds 30 inches per year. It is boll weevil proof. It will stand any amount of heat and the ground needs not be rich nor finely worked. It is a hardy bush, giving cotton perpetually as long as it last, which is from five to ten years.

With the increase of North American population and the demand which it will make on the products of our arable land, there will be a corresponding rise in values, both of the land itself and its production. This will result in the reclamation of much of swamp land of the Atlantic and Gulf coasts. In India, China and Japan it has been demonstrated that in the straightening out of rivers the course is made permanent by the planting of reeds and bamboos along the banks. These plants would help in the reclamation of the swamps of the South.

It is not improbable that the wax and various oil palms common to the elevated areas of the Andes, as well as the milk tree, might become acclimatized to Florida and the Imperial Valley, California.

As alligator eggs can be purchased for almost nothing in this country, it might be well to replenish Florida, Texas and Louisiana with these saurians. This is particularly of importance to the Mississippi River, because they destroy the muskrats that perforate the levees. There is a species of alligator, which I found by the millions in the swamps of the valleys of the Amazon-Orinoco, known locally as *Baba*, that grow very rapidly and are nearly harmless to man. The *Calman*, or South American crocodile, should not be imported because of his ferocity.

All of these things should be studied by the proper state and Federal authorities, with a view to utilizing them, if practical.

CHARLES F. Z. CARACRISTI, C. E.

Efforts to Transform Mercury Into Gold.

What appears to be increasing success in the effort of German science to transform mercury into gold is reported in Cothen advices to the American Chemical Society. In one year, these advices state, ten thousand times as much gold has been produced from the same quantity of mercury through the experiments carried on by Professors Miethe and Stammreich. Gold has also been obtained, it was said, at the Siemens Works in Berlin by bombarding mercury surfaces with electrons in extremely high vacuum.

The work of Miethe and Stammreich, it was stated, is dis-

pelling doubt that existed among eminent German scientists, among them Fritz Haber, internationally famous for his development of synthetic ammonia, a large factor in German war plans. Attempts to derive gold from mercury in the United States by the same methods were said to have failed.

The message to the American Chemical Society from its Cothen correspondent says, in part:

"If electrical discharges are passed between mercury electrodes in a dielectric, that is, paraffin, the gold is found only in the mercury atomized in the spark path and at concentrations of gold to mercury as one part to ten thousand; that is, from 1 kilogram of mercury is obtained 0.1 gram or 100 milligrams of gold. Up to the time of the first publications Miethe had obtained one part of gold from 100,000,000 parts of mercury. Thus in about a year success has been attained in increasing ten thousand fold the yield of gold from the same amount of mercury. Likewise, in the laboratory of the Siemens Works in Berlin they have succeeded in obtaining gold after bombarding mercury surfaces with electrons in extremely high vacuum.

"It is to be emphasized that all methods thus far applied permit practically complete recovery of the mercury, so that the same quantity can be used repeatedly. Theoretically, this is comprehensible, even if it is assumed that only the one isotope of mercury, with the atomic weight 197, is subjected to transformation, for the amount of this isotope far surpasses the amounts of gold so far obtained. The silver-like substance which often appears with the gold, or is formed almost exclusively, arises likewise, according to Miethe, from the mercury. Professor Nagaoka has also obtained, together with gold, a second substance which he described as similar to platinum."

Chemists from whom comment was asked by the society said that the results attributed to the work of Miethe and Stammreich were "theoretically possible."

Artificial Silk Mill in Near East to Be Operated by Orphans.

Editor Manufacturers Record:

Plans have been completed for the erection of a mill in Athens, Greece, for the manufacture of artificial silk, which will be ready for actual work within the next month or so. The plant will utilize about 1500 pounds of rayon daily, and the products will be placed upon the market for world-wide distribution.

This is a new industry for the Near East section, as most of the Greeks have been growers of fruits and vegetables of a semi-tropical variety, rather than manufacturers. At present a good deal of the artificial silk coming to the American mills is manufactured in England.

The movement is being fostered by Americans in charge of the refugee camps in Greece, with co-operation of Greek bankers, who are furnishing financial aid for the purpose of creating employment for the Greek orphans now being supported in American orphanages and who will soon reach the working age. About 60 orphans are being trained for this work in an American industrial school in Syra and the mill will be operated almost entirely by them, and within a short time they will become wholly self-supporting.

If the plan succeeds, the intention is to increase the output of the mill, or build others, to take care of the population of orphans who reach the age of earning a livelihood.

LENA R. SMITH,

Publicity Agent for North Carolina Division,
Near East Relief.

Charlotte, N. C., August 16.

Ohio County Commissioners, Wheeling, W. Va., will receive bids until September 3 for the construction of Memorial Boulevard, from 11th and Chapline street to the top of Fulton Hill on the National Road, a distance of 3900 feet. A. C. Hoffman is county road engineer.

Satsuma Orange Flourishes on Gulf Coast.

By J. E. CLAYTON, Secretary, Chamber of Commerce, Columbus, Miss.

Satsuma orange growing has become a large and profitable industry in the Mississippi Gulf coast section. Starting in a small way a few years ago, every year brought an expansion. Now the Satsuma orange is the leading fruit crop of south Mississippi. Orange groves are to be found in every locality on the Gulf coast, but the largest is that of G. A. Swan, near Gulfport, which covers 80 acres and is one of the "show places" of south Mississippi.

The orange industry is developing so fast in south Mississippi that the nurseries have had difficulty in filling orders for young trees. Distribution of three successive crops of this fruit over the United States east of the Rocky Mountain has advertised the Satsuma oranges in an effective way and has aroused much interest in this field of horticultural development.

The Satsuma orange is a native of Japan, and was first introduced in the United States about 1895, the first commercial grove being put out in the Gulf coast section of south Mississippi. Now there are several thousand acres of Satsumas growing in the Gulf coast district. The territory adapted to the growing of the Satsuma is very limited, covering only a small strip of land running back from the Gulf coast only 30 or 35 miles. This strip takes in a small portion of southeastern Louisiana, a strip in Alabama similar to the strip of Mississippi and a small part of the Florida coast. The territory in the United States where the Satsuma can be grown is very small, which means that overproduction in future is almost impossible.

In spite of the fact that the markets are just learning the Satsuma's advantages, the demand is far greater than the supply. The few markets where the Satsuma has been introduced have taken up all the production each year. The fruit is ready to harvest before the regular California and Florida oranges come to the market, and this, coupled with the fact that it seldom is hurt by cold weather, makes Satsuma growing a comparatively safe industry.

The question most frequently asked and most difficult to answer in a general way relates to the price and value of lands of the types best adapted to the cultivation of Satsuma on a commercial scale. A Government soil survey shows that the soil of the Gulf coast belongs, for the most part, to two series—the Norfolk and the Orangeburg. The distinguishing feature is the color of the subsoil, that of the Norfolk being yellow and the Orangeburg red. These soils and the blending of these types with those of other series account for most of the lands in this section. Actual experience has shown that all of these soils, where not too broken, are adapted to the cultivation of the Satsuma orange, and excellent orchards will be found on everyone of them as proof of the fact that the industry is not limited to any one or two characteristic soils. As a general thing, the question of soil and air drainage (free circulation of air) is of greater importance than that of the soil content.

Location is another determining factor. Proximity to the cities and towns or the growing agricultural and horticultural communities, dependable roads and consolidated schools tend to increase the desirability, value and price of lands otherwise suitable for the growth of Satsumas. Inquiries made of a number of real estate dealers and landowners show that unimproved lands that can be turned into citrus orchards are worth from \$25 to \$150 per acre, or even more for exceptional locations. The raw, uncleared land purchasable at the lower figure quoted was originally covered with yellow-pine timber; the stumps remain and much of it

has grown in pine saplings. The clearing and preparation of such land for planting will cost approximately \$35 per acre, labor included, provided no great amount of ditching or underdraining is required. The pine stumps are removed by blasting or burning or with mechanical stump pullers.

Experience has shown that Satsuma trees should be planted about 25 feet apart, and that the trees and labor for planting will represent an expenditure of approximately \$75 per acre. This brings the total minimum estimated cost of a ten-acre orchard, newly planted, to about \$1100. Half of this amount might well be absorbed by the labor of the owner, provided he be a worker with something of the pioneer spirit. Many men have done their own clearing, ditching, plowing and planting, using trees grafted or budded on home-grown Citrus Trifoliate stock from bud wood selected and worked by themselves, thereby reducing the labor cost to a minimum.

From the day such an orchard is planted it begins to increase in value and salability. Inquiry among dealers in land and owners of orchards develops the fact that the price per acre of a Satsuma grove from one to two years old ranges between \$150 and \$300, or even higher, if the original value of the land was great by reason of exceptional location or other cause. The same authorities quote the average value and sale price of orchards three to six years old at from \$400 to \$600 per acre.

Satsuma trees start to bearing at two years old, but do not bear commercially until about the sixth year, and the yield at all stages of the orchard's development depends upon the care and fertilization the trees receive. Under normal conditions the average yield of an orchard 10 years old should be not less than two boxes per tree, and some orchards of that age are producing many times that amount of fruit, valued at \$1.75 to \$2.50 per box net to grower. The average life of the Satsuma tree in this region has not yet been determined, though in Japan trees have been known to reach the age of 300 years or more. There is a remote element of risk from extremely cold weather, but the reasonable expectation of the grower is that the winter will not be cold enough to permanently injure his Satsuma orange trees. A temperature of 14 degrees above zero in 1911 did not injure them. The Satsuma orange on Citrus Trifoliate stock is the most cold resisting of all the edible citrus fruits.

There are Satsuma orange groves in this section which, by reason of their productiveness, could not be bought for \$1200 per acre at 10 years old. This increase in value from the original cost does not represent clear profit, for the estimated annual cost of taking care of a grove, labor included, is \$75 per acre. It is observed that those orchards thrive best that have the individual and watchful personal care of their owners. The feeding of the trees with fertilizers for the growth of wood and for the production of fruit has been reduced to an exact science which can be mastered by study and practice.

Co-operative marketing of the Satsuma crop has made favorable progress with brands established in the markets of Chicago, New York and other large cities. An efficient citrus organization has operated for several seasons. One of the leading authorities in Washington on citrus fruit recently remarked that the Gulf coast citrus industry was organized and operated on a higher plane than that of any other citrus section in the United States. Several large packing houses are in operation during each shipping season, under the control of the Gulf Coast Citrus Exchange. Orchard tools, fertilizers and other farm necessities are handled by the exchange, all reputable growers having commercial orchards of 100 trees or more being eligible to membership. There are several

other selling organizations, including one that specializes in cash purchases from the smaller growers and which supplies local and nearby markets. Packing sheds, operated by experts in the grading and packing of Satsumas, have been established in all the citrus-growing communities.

A material increase of the Satsuma crop is being shipped each year to outside markets. Notwithstanding the increased production, there appears to be no danger that the industry will be overdone, provided good business judgment and methods are used in the marketing of the fruit in the future, as in the past.

Plans for Underpasses in Greensboro—Work to Cost About \$400,000.

Greensboro, N. C.—Plans prepared by Fellheimer & Wagner of New York for track layout, ornamental bridge work, grades and approaches for the proposed East Washington-street and Elm-Davie street underpasses in this city have been accepted by city council and authority given the city manager to advertise for construction bids. These will be received until September 22, and it is estimated that the cost of construction will approximate \$400,000, the two underpasses to cost \$300,000 and the cost of property damage and track changes an additional \$100,000.

Both underpasses will extend 50 feet through, the one at Washington street to have one row of columns through the center, while the other will be 96 feet wide, with two rows of columns and a trolley line between them. There will be a roadway on either side, with sidewalks. Approaches will be beautified and well lighted.

The cost of construction will be borne by the Southern Railway entirely for the Davie-Elm work; it also bears half the cost of the Washington street work.

Completing \$600,000 Hotel at Alexandria.

Construction of the George Mason Hotel at Alexandria, Va., which is being erected by local interests at a cost of \$600,000, is nearing completion, and a contract for the lease of the structure has been executed with the American Hotels Corporation. Plans for the building were prepared by W. L. Stoddard of New York, and construction details handled by Day & Zimmerman of Philadelphia, engineers and contractors. H. A. Hammill is the resident engineer. The building will contain approximately 100 rooms.

Among the more important sub-contracts awarded are the following: Excavating and carpentry, A. W. Petersilia; miscellaneous and ornamental iron, Alexandria Iron Works; brickwork and masonry, Gilroy & Howard; roofing and sheet metal, Thomas C. Hoy Estate; plastering, Kraft-Murphy Co.; gravel, cement and other supplies, W. A. Smoot & Co., Inc.; painting, Isaac Groves; electrical fixtures, J. Kent White, all of Alexandria; concrete, Knollman & Spidel Fireproofing Co.; plumbing, heating and electrical work, Standard Engineering Co.; millwork, Williamsport Planing Mill Co.; tile work, Columbia Mosaic & Tile Co., all of Washington.

World Tobacco Production About One-Third from the South.

Last year in all the countries of the world for which figures are available the total production of tobacco was 2,686,000,000 pounds. This was a decrease of 2 per cent over the preceding year, but the production, according to the United States Department of Agriculture, is still larger than it was in the same countries before the war. Most of the decrease in production is accounted for by shrinkage in the United States and in Greece. This country in 1924 produced 1,243,000,000 pounds, which is 272,000,000 pounds less than the preceding year, and in Greece there was a drop of 85,000,000 pounds. Turkey and the Dutch East Indies increased their productions and made up part of this loss.

The United States grows about half of the tobacco that is reported in the world and about half of the total raw tobacco that enters into international trade. The American tobacco production, 84 per cent, comes from the South. It was the increase in production in this country that caused most of the world gains in tobacco production over pre-war production. Greece and Japan have also contributed to building up the total. Such well-known tobacco countries as the Dutch East Indies, Russia, Hungary and Cuba have shown a decreased crop.

Fewer Western Cattle for Fall Marketing.

There will probably be about 250,000 fewer cattle marketed from the range country this fall than last fall, with the principal reduction in the Southwest, according to estimates of the United States Department of Agriculture. The estimated number to be marketed this fall is 4,077,000 head, compared with 4,322,000 last fall and 4,208,000 in the fall of 1923.

The region covered by the estimate includes North Dakota, western South Dakota and Nebraska, Oklahoma, Texas and the states west. This estimate is based upon reports from the various states based upon August first conditions as reported by cattlemen and others connected with the cattle industry. Marketings are dependent upon prices, feed conditions and financial conditions, and changes in conditions may result in either larger or smaller movements.



NEW GEORGE MASON HOTEL, ALEXANDRIA, VA.

The Boosting of Longer Staple Cotton.

By PAUL TABOR, Georgia State College of Agriculture.

[Increasing attention is being directed to the advantages of growing a longer staple cotton and to the disadvantages under which all the growers of any given district must labor when inferior seed is used by a fair proportion of the farmers in that particular section and market. Mr. Tabor in the following article tells something of the start which has been made toward an improvement of conditions in Georgia and of the efforts necessary to carry forward the work as the need for it becomes more generally recognized.—Editor Manufacturers Record.]

The promoting of longer staple cotton on the hill farms of the South is a more complicated thing than most people believe. This was made evident to the writer by the work of the Georgia State College of Agriculture in this line. When the views of the farmers producing the cotton, the large buyers handling the bulk of it and the manufacturers spinning it are heard, it becomes evident that no simple, quick remedy can be used successfully in all parts of the belt. At best the improvement is likely to be slow. It will come, however, if there is a real demand for it. If there is not such a demand, the drift toward short staple (less than one inch) may continue.

The college became actively interested in getting a better grade of staple grown in Georgia during the winter of 1921-22. Previously it had done much breeding to originate and standardize a productive full-inch variety of cotton, and had distributed these seed widely. It had also put out much propaganda about the increased value of uniform inch staple. Very little attention was paid to the propaganda until the winter of 1921-22, when Georgia cotton came in disrepute with both buyers and manufacturers because of inferior staple. When confidence in Georgia cotton began to be seriously shaken, a series of conferences between representatives of buyers, manufacturers and officials of the college was arranged. An outcome of these meetings was the distributing of good seed of full-inch cottons over much of north Georgia in the following year. The influence of these seed, and the more favorable weather the following season, with more cautious buying, did much to restore confidence in Georgia cotton. The two years following were good ones for the growers of inch staple cottons, but last spring there was a strong demand for seed of the short cottons, especially in the northern part of the belt.

From the farmer's point of view the problem is primarily an economic one. He is much more interested in the largest profit per acre than in the staple of his cotton. If the short-staple varieties have special qualifications, such as resistance to cold, wet weather in the spring, the ability to make high yields of seed cotton per acre, and give a high per cent of lint at the gin, some farmers will choose to grow them if there is no difference in price of the lint. Under such conditions the short-staple varieties may return the most profit per acre. If they do, their use in the community and county increases. To prevent the growing of these cottons by law would be as unjust as the prevention of the manufacture of any but the highest grade articles.

When the varieties of short-staple cotton are analyzed, they are found well suited to some of the cotton belt. The half-and-half cotton so popular in the northern part of the belt is able to live through a cool, wet spring, when many of the other varieties die very generally. It is also a fine yielding cotton. In 1924 it stood sixth in value of lint and seed per acre out of a class of more than 30 varieties tested at Athens, Ga. Previously it had made the greatest yield of lint of any variety at the same place. With the exceptions of short lint and a rather small boll, it is an excellent variety and is widely grown, in spite of protests from the agricultural colleges, mills and buyers.

When farmers become convinced that more money can be made with another variety, they are willing to abandon their

choice and adopt the new; this was demonstrated in the Athens territory several years ago. In pre-weevil days Athens cotton brought a substantial premium because most of it was uniform full inch in staple. When the weevil came, a lot of early and short-staple varieties were brought in, making the staple badly mixed. The premium was removed, and shortly afterward the growing of these short cottons was abandoned because their yield was no greater than the varieties with better staple, which would sell for a higher price.

A questionnaire sent to the cotton mills of Georgia, through the courtesy of P. E. Glenn, secretary of the Georgia Manufacturers Associations, asked the grade and staple of the cotton used, and that preferred for the class of goods manufactured, the defects found in Georgia cotton, and an opinion of the premium full-inch cotton should bring. Replies were received from more than 70 mills, having an aggregate consumption of 80 per cent of the cotton used in the state. Most of the cotton used was between seven-eighths and one inch in length, but practically all the users of this staple preferred a full-inch fiber. Besides the shortness of the staple, there was a general complaint of mixed staple. This is inevitable when short-staple varieties are introduced, as the seed are mixed at the gin and in the fields.

Very few of the mills would give an opinion as to how much premium should be allowed full-inch staple over seven-eighths inch. Here seems to be a point of real difficulty between a number of the mills and the producers of cotton. Many of the small mills are not willing to pay a premium for the full-inch cotton if it can be prevented. Most of the larger mills are willing, but require such quantities at each purchase that farmers could not supply them easily. The general opinion among farmers is that no distinction between ordinary cottons is made. Not much is done to show a distinction, either. One of the college workers found a mill in a north Georgia town sampling all the bales offered and selecting only the ones with full-inch staple, never telling the farmers why he bought some and rejected others. The short bales were bought by the merchants, and through them sold to the larger buyers, who in turn set the average price of a market from the average staple found there. This mill buyer was really depressing the price of full-inch cotton, instead of giving a premium for it. A complaint from such a man about short staple would not be convincing to any person knowing the conditions under which it was made. It is not surprising to find short cotton on the increase in that community. There are other mills willing to pay a premium for good cotton raised in their community and they readily get a supply of the staple desired. Such a mill near Atlanta encouraged the growing of more College No. 1 cotton because its staple suited their purpose.

The Atlanta Commercial Exchange, through its secretary and several members, who are large cotton buyers, was instrumental in getting a lot of purebred, good staple cottonseed placed in different counties of north Georgia in the spring of 1922. In an effort to make some arrangement for the growers of this improved cotton to receive a premium for it the writer heard the buyers' side of the question. One of the big buyers in Atlanta swore fervently against this short-staple cotton. One could easily see it had caused him considerable trouble. When it came to getting a better price for the producers of the full-inch cotton, he thought very little could be done.

The system of buying cotton, he pointed out, is to rate each small market in the state according to the bulk of the crop in the past. If in the last few years a town had been shipping more than half of its bales short cotton, it would be rated as a short-staple market, and the prices offered there shaved to correspond to the quality of the cotton. In this way the better prices in markets having good staple does compensate the producers as a whole. The trouble is that it compensates the growers of short cotton there as much as the growers of full-inch staple. Where this is the case, if the short cotton shows any superiority in yield, a majority of the farmers are likely to begin growing it and change the market from a good staple to a poor staple rating.

The lack of knowledge among the small-town cotton buyers of grade and staple, and further complications of the supply merchant system, make a change to individual buying very difficult. The cotton "coops" are now selling on the individual rating, and if they continue to be successful the market situation will be improved. Each bale is graded and stapled and sold on its merit under their system—a fine thing if the overhead charges do not become too heavy.

A plan of successfully increasing the staple of cotton in the territory about Athens, Ga., is already in operation. It involves two steps—the production of high yielding varieties locally adapted to soil and climate, and producing the desired length of lint. That such cottons have already been produced for the Athens territory is shown in the variety tests conducted by the College of Agriculture. The two leading kinds are College No. 1 and Piedmont Cleveland, the former originated at the State College of Agriculture and the latter in a neighboring county. Both were selected by college-trained men, Agricultural College graduates. The two varieties lead all the others in value per acre of lint and seed, using Atlanta quotations for the cotton lint and local quotations for seed. When all sections of the state get as carefully bred full-staple cotton as the Athens territory has, there will be an abandoning of the inferior varieties.

The second step is co-operation between the business interests of the different communities and the agricultural agencies, such as the county agent and vocational teachers of agriculture, in getting a more uniform planting of the same variety in a community. A number of communities in north-east Georgia have organized to grow only one kind of cotton. Usually, the vocational Smith-Hughes teacher is the guiding spirit, but he must have assistance from the county agent and the business men of the community if the project is to succeed. This combination has started the good work and is succeeding with it in Georgia. Besides getting a premium for their lint, they realize something extra from part of the seed which is sold to other farmers for planting. Over several years it makes a tidy sum.

Fine Ground Cement for Concrete.

New light on how fine grinding of cement makes concrete stronger is given by a 10-year research just completed at the Bureau of Standards, Department of Commerce. Experiments prove that fine grinding makes concrete stronger, especially if greater amounts of cement are used with the sand and gravel. The same increase may be obtained as economically through the use of more cement.

Ten years ago test cylinders of concrete were made up of five brands of cement and Potomac River sand and gravel. These were first kept in moist air 28 days, then exposed to Washington weather for periods up to 10 years. Specimens broken after 6 months, one, two, three, five and ten years showed greater strength compared with similar specimens made of normal cement. The older specimens showed less increase, but the result showed that fine grinding of the cement increases the strength of the concrete, especially with rich mixes.

Plans for Chemical Exposition.

The list of chemical and allied societies and associations which will meet in New York during the week of the Chemical Exposition, September 28 to October 3, continues to grow. Meetings planned include an intersectional gathering of the American Chemical Society, meetings of the American Ceramic Society, Society of Chemical Industry, Technical Association of the Pulp and Paper Industry, the Salesmen's Association of the American Chemical Industry, National Association of Finishers of Cotton Fabrics and the American Institute of Chemical Engineers. Others may be added to this group.

The National Association of Finishers of Cotton Fabrics will meet and take up some of the following subjects: Bleaching cotton fiber, sizes in finishing, control of dye purchases, mercerization, artificial silk and its relation to the textile industry, chemicals in cotton finishing and others. The program of the American Ceramic Society will consist of a general educational list of papers delivered by leading representatives of each group of the ceramic field, art, enamels, glass, heavy clay products, refractories, terra cotta and white wares.

In the program of speakers for the intensive one-week course in chemical engineering fundamentals for college students, Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association, will speak on "The American Chemical Industry"; Dr. Arthur D. Little on "The Application of Chemistry to Industry"; William Haynes on "Buying and Selling the Products of Chemistry."

Addresses on special phases of chemical engineering practice will be given and the course will be open to all college students in chemistry or chemical engineering or others in the industry who desire to go over a one-week course in the fundamentals of chemical engineering.

Large Growth of Poultry Shipments and Sales.

The Development Department of the Seaboard Air Line, Clement S. Ucker, director, has published a statement of poultry shipments in car lots for the last year or two in states through which its lines operate and including Virginia, North Carolina; South Carolina and Georgia. During the season of 1924-1925 there was a total of 777,123 pounds shipped, valued at \$168,724, and this compares with shipments during the season 1923-1924 amounting to 360,393 pounds, valued at \$75,046. Thus the season 1924-1925 shows an increase of 416,730 pounds in the volume of shipments, or 115 per cent.

J. M. McBride, general agricultural agent, says: "In 1923 the Development Department promoted and successfully held the first community co-operative poultry sale on the Seaboard. Previous to that we had no record of any car lots of live poultry originating in our territory from community efforts. * * * Several wholesale poultry-buying firms have been located at points along the Seaboard since we began this campaign. These and other buyers bid on the poultry offered in each of these community sales and the successful bidder pays cash for the poultry at the car door. * * * The live poultry shipping season usually begins in December and runs through to about June 1."

Abilene Sells \$710,000 of Bonds.

Abilene, Texas.—On a bid of par and a premium of \$2130, six municipal bond issues, aggregating \$710,000, have been sold to Brown, Crummer & Co., Dallas, by the City Commission. Funds from the sale will be used for the following purposes: Sewer extensions, \$50,000; water-purification plant and extensions, \$250,000; school buildings, \$160,000; fire stations, \$50,000; city hall, \$125,000, and municipal auditorium, \$75,000.

Preparing for the Southern Exposition.

Greenville, S. C., August 24—[Special.]—Although the second Southern Exposition is fourteen months off, plans are rapidly being completed. The Grand Central Palace has been engaged for September 27 to October 6, 1926. The Exposition will open on Monday and run through to Saturday night; reopen the following Monday and close Wednesday night. This will give exhibitors ample opportunity to pack up and get home by the end of the second week.

The fall dates were secured after much difficulty, as they are in great demand. Representatives from all Southern states concurred in the selection of these dates as the most suitable from their point of view for the display of Southern goods. At that time of year there are many buyers in New York and the weather is normally good, theaters are all open, the shop windows are full of new autumn and winter styles; most of the vacationists and foreign travelers have returned and the metropolitan spirit of progress is never more noticeable.

Each state has been allotted approximately 6000 feet of space, although exceptions will be made, if sufficient notice is given, to increase this quantity. The state idea will dominate the Exposition. The MANUFACTURERS RECORD has offered a prize of \$5000 in advertising for the best state display. It will be remembered that Alabama won the prize last year. It has been decided to give each state until September 30 to accept its allotment.

The plan suggested is that each state have a committee appointed by its Governor to arrange for participation. Several states have appointed their committees as follows:

South Carolina—Dr. J. F. Jacobs, chairman, Clinton; R. E. Hanna, executive secretary, Cheraw; Holmes B. Springs, Greenville; W. S. Glenn, Spartanburg; Ben Granger, Clinton; C. G. Guignard, Columbia; Ben M. Sawyer, Columbia; Dr. R. S. McElwee, Charleston; J. Ross Hanahan, Charleston; Kenneth Baker, Greenwood; Col. A. L. Caston, Chester, and Senator R. M. Cooper, Wisacky.

Georgia—J. Ralston Cargill, chairman, Columbus; Fred T. Newell, Atlanta; Benj. S. Barker, Atlanta; R. M. Dantzler, Atlanta; D. Leon Williams, Atlanta; A. M. Turner, Atlanta; W. E. French, Valdosta; Richard W. Edmonds, South Norwalk, Conn.; R. Murray Soule, Athens; M. W. Lowry, Athens; H. W. Harvey, Athens; H. Wayne Patterson, Columbus, and Stanley G. Saulnier, Fort Benning.

Kentucky—H. J. Wright, Mayfield; W. F. Bradshaw, Paducah; Ben. Weille, Paducah; W. E. Morrow, Louisville; C. C. Ouslet, Louisville; C. Robert Peter, Louisville; S. French Hoge, Frankfort; S. P. Browning, Maysville; James C. Stone, Lexington; N. U. Bond, Bond; C. J. Kneecamp, Ashland, and Max B. Nahm, Bowling Green.

Governor Brandon of Alabama has requested the committee which did such excellent work last year to select from its number a chairman, and he will then appoint a committee for that state. Governor Gore of West Virginia will call a meeting of the principal interests of that state to arrange for participation.

The Virginia State Chamber of Commerce, through its general secretary, has endorsed the Exposition. This state will have the same executive secretary as last year, E. S. DesPortes, assisted by Frank B. Louthan, secretary of the Virginia Manufacturers Association. The Richmond Chamber of Commerce has stated its intention of taking part.

In North Carolina, the secretary of the Southern Exposition, S. E. Boney, is arranging with Governor McLean for a state committee to be named, and in Maryland Major Joseph W. Shirley and A. S. Goldsborough, under whose direction the Maryland display was held last year, will shortly have some plan to announce. Louisiana will be represented again by Leon I. Kahn as state chairman, aided by a strong committee. He has already secured a number of exhibitors.

Florida's participation was the subject of a recent discussion of secretaries of chambers of commerce, the matter being favorably received, and the president of the Exposition will hold a conference with A. A. Coult, general manager of the

Florida Development Board. Tennessee, which took part in May, will have a large exhibit, and John E. Edgerton, president of the Tennessee Manufacturers Association, has asked Secretary C. C. Gilbert to call on the manufacturers of the state to make a display of their products. In other states conferences are being held.

The Southern Exposition will be organized as a non-profit-sharing undertaking, under the laws of South Carolina, with a strong board of directors. All the income received over and above expenses will be returned pro rata to exhibitors.

Days have been set apart for each state as follows: Monday, September 27, opening; Tuesday, Maryland and Virginia; Wednesday, North Carolina and South Carolina; Thursday, Georgia and Florida; Friday, October 1, Alabama and Mississippi; Saturday, Louisiana and Arkansas; Monday, Texas; Tuesday, Oklahoma and Tennessee; Wednesday, Kentucky and West Virginia.

Plans for Advertising New Orleans.

New Orleans, La.—A three-year advertising campaign for New Orleans calling for the expenditure of \$100,000 a year has been outlined by the Convention and Publicity Bureau of this city, of which Mayor Behrman is chairman. Directors of the bureau include a number of leading business men of the city.

As bearing on the advertising situation here, Mayor Behrman urges the support of the International Trade Exposition by New Orleans business men, manufacturers and citizens, declaring that this organization deserves the unlimited support and co-operation of all New Orleans interests in the completion of its program. The exposition has been organized for the purpose of establishing a world trade mart at the port of New Orleans.

Cottonseed Crashings Highest Since 1915.

According to the Census Bureau, the quantity of cottonseed crushed in the cotton-oil mills of the country for the cotton year ended July 31 amounted to 4,604,821 tons, compared with 3,307,598 tons for the previous year and 3,242,000 tons for the year ended July 31, 1923. The quantity of cottonseed crushed during the last cotton year is the largest since the record crashings of 1915, amounting to 5,780,000 tons.

Cottonseed on hand at the mills July 31 amounted to 33,577 tons, compared with 21,711 tons the previous year.

Cottonseed products manufactured during the year and on hand July 31 were as follows: Crude oil produced, 1,403,665,011 pounds, compared with 979,617,065; and on hand, 5,103,253 pounds, compared with 4,052,703.

Refined oil produced, 1,276,068,402 pounds, compared with 862,333,994; and on hand, 174,830,499 pounds, compared with 106,799,632.

Cake and meal produced, 2,125,135 tons, compared with 1,517,859; and on hand, 20,589 tons, compared with 41,620.

Linters produced, 897,555 bales, compared with 941,030; and on hand, 20,764 bales, compared with 53,410.

Exports of cottonseed products in the year totaled: Crude oil, 23,282,732 pounds, compared with 24,512,813; refined oil, 30,023,385 pounds, compared with 15,051,584; cake and meal, 457,277 tons, compared with 124,941, and linters, 190,648 bales, compared with 116,144 bales.

World Wheat Estimates Increase.

Wheat production in 22 countries reported up to August 19 amounts to 2,222,000,000 bushels, against 2,156,000,000 bushels for the same countries last year, according to information received by the United States Department of Agriculture. These countries represent about 83 per cent of the Northern Hemisphere crop outside of Russia and China and 72 per cent of the world crop outside of Russia and China.

Developed and Potential Water-Power in United States.

GREATER PROGRESS IN SOUTH THAN ELSEWHERE.

The Department of the Interior, through the Geological Survey, has brought up to date the Survey's records of developed water-power in the United States. The accompanying table shows that the total capacity of water wheels installed in plants of 100 horsepower or more in the United States in March, 1925, was 10,038,655 horsepower, an increase of 951,000 horsepower, or nearly 10½ per cent, over the total of 9,087,958 horsepower in March, 1924. Of this increase 939,000 horsepower, or 99 per cent, was in public-utility power plants and 12,000 horsepower, or 1 per cent, in manufacturing plants.

Studies of the installed capacity at fully developed water-

power sites indicate that in general the ultimate capacity of water wheels that may be installed at any power site will average about 130 per cent of the potential power available 50 per cent of the time. Therefore, to determine the capacity of the water wheels that may ultimately be installed in water-power plants in any state the capacity of water wheels already installed should be subtracted from 130 per cent of the power available 50 per cent of the time.

The following table indicates that water-power development in the middle Atlantic states, south Atlantic states and east South-Central states is progressing more rapidly than in other sections of the country. New England's relative standing continues to decrease. It is of interest to note also that the water-power development in the Pacific states during 1924

DEVELOPED WATER POWER IN THE UNITED STATES IN 1925.

(Plants of 100 horsepower or more.)

Division and State	Total		Public utility and municipal		Manufacturing and miscellaneous	
	Number of plants	Capacity in horsepower	Number of plants	Capacity in horsepower	Number of plants	Capacity in horsepower
United States	10,037,655	8,287,332	1,750,323			
New England	1,230	1,398,803	251	656,270	979	742,533
Middle Atlantic	611	1,948,449	402	1,624,316	209	324,133
East North Central	346	884,760	5	661,445	121	223,315
West North Central	194	514,753	127	414,692	67	100,061
South Atlantic	158	1,589,304	135	1,352,478	23	236,826
East South Central	53	396,791	38	379,683	15	17,108
West South Central	29	31,317	14	27,105	15	4,212
Mountain	234	937,078	185	915,737	49	21,341
Pacific	299	2,336,400	244	2,255,606	55	80,794
New England—						
Maine	252	476,627	74	174,662	178	301,965
New Hampshire	243	243,310	60	119,740	183	123,570
Vermont	206	167,816	60	114,701	146	53,115
Massachusetts	347	344,439	32	162,477	315	181,962
Rhode Island	59	30,188	5	3,285	54	26,903
Connecticut	123	136,423	20	81,405	103	55,018
Middle Atlantic—						
New York	528	1,713,551	350	1,404,603	178	308,948
New Jersey	34	18,902	10	8,658	24	10,244
Pennsylvania	49	225,996	42	221,055	7	4,941
East North Central—						
Ohio	25	29,570	17	24,486	8	5,084
Indiana	24	51,276	17	47,711	7	3,565
Illinois	30	86,679	15	69,759	15	16,920
Michigan	111	304,520	92	255,348	19	49,172
Wisconsin	156	412,715	84	264,141	72	148,574
West North Central—						
Minnesota	62	262,786	40	185,664	22	77,122
Iowa	49	177,280	36	175,010	13	2,270
Missouri	7	19,970	5	19,670	2	300
North Dakota	1	245	...	...	1	245
South Dakota	9	19,171	5	7,050	4	12,121
Nebraska	45	20,837	30	17,437	15	3,400
Kansas	21	14,464	11	9,861	10	4,603
South Atlantic—						
Delaware	9	3,133	...	...	9	3,133
Maryland	19	7,230	6	2,120	13	5,110
District of Columbia	4	666	...	...	4	666
Virginia	70	117,869	34	90,727	36	27,142
West Virginia	11	14,711	6	8,446	5	6,265
North Carolina .....	...	534,600	...	379,600	...	155,000
South Carolina .....	...	507,215	...	482,215	...	25,000
Georgia	53	394,794	35	380,720	18	14,074
Florida	5	9,086	3	8,650	2	436
East South Central—						
Kentucky	5	1,256	2	352	3	904
Tennessee	27	166,347	21	165,381	6	966
Alabama	21	229,188	15	213,950	6	15,238
Mississippi .....	...	...	...	...	...	...
West South Central—						
Arkansas	4	15,549	3	15,080	1	469
Louisiana .....	...	...	...	...	...	...
Oklahoma	4	1,948	4	1,948	...	...
Texas	21	13,820	7	10,077	14	3,743
Mountain—						
Montana	30	360,040	28	358,100	2	1,940
Idaho	48	298,837	44	297,887	4	950
Wyoming	10	7,886	9	7,560	1	326
Colorado	56	90,536	30	77,696	26	12,840
New Mexico	6	1,455	6	1,455	...	...
Arizona	8	49,360	8	49,360	...	...
Utah	66	115,329	51	110,344	15	4,985
Nevada	10	13,635	9	13,335	1	300
Pacific—						
Washington	72	560,693	66	549,746	6	10,947
Oregon	79	244,227	57	193,462	22	50,765
California	148	1,531,480	121	1,512,398	27	19,082
Outlying Possessions—						
Alaska .....	...	40,000	...	...	...	...
Hawaii .....	...	25,000	...	...	...	...
Porto Rico .....	...	15,000	...	...	...	...

*POTENTIAL WATER-POWER RESOURCES OF THE UNITED STATES.

State and division	Available 90 per cent of the time		Available 50 per cent of the time	
	Horse-power	Per cent	Horse-power	Per cent
United States	34,818,000	100.00	55,030,000	100.00
New England	998,000	2.87	1,978,000	3.60
Middle Atlantic	4,317,000	12.40	5,688,000	10.35
East North Central	737,000	2.12	1,391,000	2.53
West North Central	871,000	2.50	1,844,000	3.35
South Atlantic	2,476,000	7.11	4,464,000	8.11
East South Central	1,011,000	2.90	2,004,000	3.64
West South Central	434,000	1.25	888,000	1.61
Mountain	10,736,000	30.83	15,513,000	28.19
Pacific	13,238,000	38.02	21,260,000	38.63
New England—				
Maine	536,000	1.54	1,074,000	1.95
New Hampshire	186,000	.53	350,000	.64
Vermont	80,000	.23	169,000	.31
Massachusetts	106,000	.31	235,000	.43
Rhode Island	25,000	.07	40,000	.07
Connecticut	65,000	.19	110,000	.20
Middle Atlantic—				
New York	4,010,000	11.52	4,960,000	9.03
New Jersey	50,000	.14	90,000	.16
Pennsylvania	257,000	.74	638,000	1.16
East North Central—				
Ohio	55,000	.16	166,000	.30
Indiana	40,000	.12	110,000	.20
Illinois	189,000	.54	361,000	.66
Michigan	168,000	.48	274,000	.50
Wisconsin	285,000	.82	480,000	.87
West North Central—				
Minnesota	203,000	.58	401,000	.73
Iowa	169,000	.49	395,000	.72
Missouri	67,000	.19	152,000	.27
North Dakota	82,000	.23	193,000	.35
South Dakota	63,000	.18	110,000	.20
Nebraska	183,000	.53	342,000	.62
Kansas	104,000	.30	251,000	.46
South Atlantic—				
Delaware	5,000	.01	10,000	.02
Maryland and District of Columbia	106,000	.30	238,000	.43
Virginia	459,000	1.32	812,000	1.48
West Virginia	355,000	1.02	980,000	1.78
North Carolina	540,000	1.55	816,000	1.48
South Carolina	429,000	1.23	632,000	1.15
Georgia	572,000	1.65	958,000	1.74
Florida	10,000	.03	18,000	.03
East South Central—				
Kentucky	77,000	.22	184,000	.33
Tennessee	432,000	1.24	710,000	1.29
Alabama	472,000	1.35	1,050,000	1.91
Mississippi	30,000	.09	60,000	.11
West South Central—				
Arkansas	125,000	.36	178,000	.32
Louisiana	1,000	...	2,000	...
Oklahoma	70,000	.20	194,000	.35
Texas	238,000	.69	514,000	.94
Mountain—				
Montana	2,550,000	7.32	3,700,000	6.72
Idaho	2,122,000	6.10	4,032,000	7.33
Wyoming	704,000	2.02	1,182,000	2.15
Colorado	765,000	2.20	1,570,000	2.85
New Mexico	116,000	.33	186,000	.34
Arizona	2,759,000	7.92	2,887,000	5.25
Utah	1,420,000	4.08	1,586,000	2.88
Nevada	300,000	.86	370,000	.67
Pacific—				
Washington	4,970,000	14.27	7,871,000	14.30
Oregon	3,665,000	10.53	6,715,000	12.20
California	4,603,000	13.22	6,674,000	12.13
Outlying Possessions—				
Alaska	1,000,000	...	2,500,000	...
Porto Rico	19,000	...	28,000	...
Hawaii	100,000	...	200,000	...

*Computed in 1924.

failed to keep up with the rate maintained by the rest of the United States:

DEVELOPED WATER POWER IN SPECIFIED DIVISIONS OF THE UNITED STATES IN 1921, 1924 AND 1925.

Division	Percentage of total in United States		
	1921	1924	1925
New England	16.5	15.3	14.0
Middle Atlantic	18.7	19.1	19.4
East North Central	9.3	9.1	8.8
West North Central	5.6	5.1	5.1
South Atlantic	13.6	14.3	15.8
East South Central	3.1	3.8	4.0
West South Central .....	.2	.2	.3
Mountain	10.4	9.7	9.3
Pacific	22.6	23.5	23.3

"Selected," but for a Good Reason.

[From the New York Times, August 17.]

Objection has been made to the "symposium" on Prohibition of the MANUFACTURERS RECORD on the ground that the letters were written by a carefully selected group of men—that the trial was by a hand-picked jury, as it were. There is this much of ground for this criticism—the inquiries really were addressed to persons chosen, not to persons taken haphazard.

The MANUFACTURERS RECORD's informants include, first of all, the great employers of labor—the heads of manufacturing concerns, railways, mines of coal and iron and the big distributing houses. Engineers of various sorts are among the correspondents, and so are the officials of colleges and universities. Included, too, are several presidents of the larger labor unions. While all of these men probably were "temperate" before legal Prohibition became nation wide, the chances are that not one in five of them—no, not one in ten—was a total abstainer. The chances are that most of them hate censorship and prohibitions just as much as other good Americans do.

That they believe in this particular restriction on "personal liberty" is due to nothing except what they themselves have seen of its effects in what they rightly consider by far the most important part of the country's population. They know that part, and when they say that the whole working class, from manual laborers to the most skilled artisans, are better off now than they were before Prohibition, there is no use in talking to people who still question or deny this.

Why Prohibition Remains in Force.

[From the Galveston Daily News.]

Foreigners visiting in this country very often express surprise that a law seemingly so unpopular and so lightly enforced as the Prohibition law is not repealed. Plenty of Americans with whom they come in contact volunteer the information that Prohibition is a joke foisted on the country by a group of organized fanatics. They see liquor served in the homes of wealthy and cultured people. They hear Prohibition scoffed at by the class of people who in their own countries are looked up to as the bulwark of orderly and intelligent government. It is not surprising that the experience of these visitors leads them to doubt not only the beneficial effects claimed for Prohibition but the capacity of Americans for self-government.

The other side of the Prohibition picture is presented in a symposium of public opinion compiled by the MANUFACTURERS RECORD. Some three years ago that publication sent out letters to several hundred leading business and professional men asking their views on Prohibition. Of the replies, 98.5 per cent were in favor of some form of Prohibition, 85.5 were for strict Prohibition, 7 per cent wanted beer and wine, 2.75 per cent were undecided and non-committal and 1.5 were definitely opposed to Prohibition.

But the hue and cry against Prohibition has gained volume enormously during the past three years. Those seeking repeal assert, with at least a surface show of logic, that if Prohibition were enforceable it would have been enforced before now. They blame Prohibition for the crime wave and for most of the country's social afflictions. Having this condition in mind, a correspondent of the MANUFACTURERS RECORD—himself professing not to be a prohibitionist—challenged the magazine to recanvass its original list of contributors to see if they still held to their original views. The challenge was accepted without, as the editor confesses, the least idea of what the result would be, since the men had not been communicated with in the last three years in regard to Prohibition.

About a hundred replies have been received, it is stated in

the current issue of the MANUFACTURERS RECORD, and they are described as overwhelmingly in favor of Prohibition. Only a very few, it is stated, indicate any modification of sentiment on the subject, and they are not against Prohibition but merely raise a question as to the methods of enforcement and the results. The entire collection of letters is to be published and distributed in pamphlet form.

It is impossible not to attach weighty significance to this incident. Reasoning individuals must construe it as proof that the outcry against Prohibition comes from a noisy minority, and that the national will is still back of the reform inaugurated by the Eighteenth Amendment.

[Since the first batch of letters were published in the MANUFACTURERS RECORD others have continued to pour in until we now have 238, and the sentiment of these is as overwhelmingly for Prohibition as the first hundred received.—Editor MANUFACTURERS RECORD.]

They Remain Strong Prohibitionists.

[From the New York Times, August 14.]

Three years ago the Manufacturers Record Publishing Company of Baltimore sent to the leading manufacturers, business men, educators, doctors, engineers and the like all over the country a letter asking them to express their opinion of Prohibition as a national policy and of the Volstead Act as a measure or means of stopping the traffic in intoxicants. It printed about 500 answers, and they attracted much attention, as, with the exception of 1.5 per cent, they all were in various degrees commendatory of the great experiment and discontented only with its obstructions.

Recently the MANUFACTURERS RECORD received from a young business man in this city a letter in which, while asserting that he himself observed the law, he said it was his impression that a large number of the people who at the time of the former inquiry had favored Prohibition now had come to the belief that it had done more harm than good. So he asked the MANUFACTURERS RECORD to send new inquiries to those whom it had questioned before and to print their replies. This it now has done and presents the result in a really impressive pamphlet.

There has been not the slightest change of sentiment among these leaders of American industry and commerce except in the way of a deepening of their conviction that Prohibition has been of enormous benefit to the nation and to the men who do its real work, while only an almost microscopic fraction advocate a slight raising of the ban on alcohol. They deny that Prohibition is a failure, assert that it can be enforced if only the police, the municipal authorities and the courts will do their duty, and declare that a return to the conditions that existed before Prohibition is unthinkable by any real lover of the country.

As to the increased efficiency of labor under Prohibition and the increased happiness and comfort in the homes of the workers, there is complete agreement. The great employers in every domain of activity tell the same story, and it is confirmed by union leaders and health authorities. Those facts can be taken as proved—about them there can be no more argument.

There is another and less pleasing side to the picture in the MANUFACTURERS RECORD's pamphlet. With almost as close an approach to unanimity as the writers of the letters show when discussing the bearing of Prohibition on labor, they declare that it has increased drinking among those in what are often called the higher classes—the people with money, leisure and an exaggerated idea of their right to do whatever they choose in the way of personal habits.

Correspondent after correspondent fiercely denounces these persons as sharing the responsibility for all the crimes of the bootlegger, and, of course, for the very existence of bootlegging as a business. There are no admissions that anywhere near as much alcohol now is consumed in beverages as in pre-Prohibition times; indeed, this is explicitly denied, and there are frequent references, as answer to those who charge Prohibition with inspiring disrespect for law, to the lawlessness of the saloon and liquor interests, even before there was any serious interference with their activities.

Possibly there is exaggeration as to the amount of drinking by the "white-collar" folk.

There are persons childish enough to do what is forbidden merely because it is forbidden, but one can at least hope that they are not numerous enough to justify stories heard about them.

Whoever has an opinion in regard to Prohibition should get and read this pamphlet.

\$6,000,000 STORE BUILDING AT KANSAS CITY.

Structure Nearing Completion Contains 1,455,000 Square Feet of Floor Space.

Drawing plans for a \$6,000,000 plant in 30 days and having it ready for occupation in less than 200 working days perhaps sets a new record in building operations. General contract for the Kansas City store of Sears, Roebuck & Co. was awarded February 3, 1925, and the building is now expected to be completed by September 15. Architects on the structure are George C. Nimmons & Co., who have designed practically all of the company's buildings since the firm was organized. Martin C. Schwab is the mechanical engineer and the B. W. Construction Co., general contractors, all of Chicago.

The new store is not only one of the world's largest buildings, but it is intended to represent the last word in the design of a mail-order house.

The building extends more than 1000 feet on Cleveland avenue, is nine stories and basement in a large part of its area, and contains 1,455,000 square feet of floor space. It is of reinforced concrete construction, and has an ornamental tower rising from the middle of the merchandise building which encloses the sprinkler tank. This tower forms the dominating feature of the architectural design of the structure, which is treated in the industrial Gothic style. The building throughout is faced with a rose-colored brick laid in white mortar with Bedford gray stone trimmings.

That portion of the building for the retail store is two stories and basement, the store occupying 108,000 square feet of floor space, and the administrative offices of the plant the remainder of the space. The nine-story merchandise building is U-shaped, having a train shed with a capacity of 50 cars in the center of the U. The power plant is in the rear, with tunnel connection for its pipes to all parts of the building.

The plant has been so designed that various kinds of goods may be received and stored in the most convenient way and shipped in the shortest possible time, and at the lowest cost for packing and handling. It is about three miles from the Kansas City union passenger terminal and two miles from the center of the shopping district, easily reached by surface lines from all sections of the city, and accessible from through automobile highways, with an abundance of free parking space. Territory to be served includes Kansas, Nebraska, Utah, Wyoming, Colorado, and portions of Arizona, Arkansas, Iowa, Minnesota, Missouri, Montana, New Mexico, Oklahoma and South Dakota.

Among sub-contractors engaged on the building are the

following: American Sash & Door Co., millwork; Badger Lumber Co., maple flooring; J. Goldberg & Sons, miscellaneous steel and iron and structural steel for merchandise and administration building; Kansas City office of Raymond Concrete Pile Co., New York, furnish and drive concrete piles; Kansas City office of American Window Safety Device Co., Chicago, double-hung window jambs and steel sash mullion devices; W. L. Hutchinson Electric Co., electric service; Kansas City Cornice Co., cornices; Kansas City Structural Steel Co., structural steel for power house; Lisle Paint & Glass Co., Inc., furnish glass and glazing and copper fronts; Norton Bros., excavation and crushed stone; Plamondon-Gabriel Co., painting; Welch-Sandler Cement Co., cement, all Kansas City; Atchinson Revolving Door Co., Independence, Kan., revolving doors; Lee H. Gould & Co., Cleveland, Ohio, Tar-Rok sub-floor fill; Pittsburg Paving Brick Co., Pittsburg, Kan., common brick; Truscon Steel Co., Youngstown, Ohio, steel sash and fire-escape doors and frames; U. S. Gypsum Co., Chicago, Pyrofill roof construction; Consolidated Stone Co., Bedford, Ind., cut stone; H. G. Beard Plastering Co., lathing and plastering; Des Lauriers Metal Product Co., metal column forms; Kalman Floor Co., Kalman floor finish; Reliance Brick Co., face brick; Windshield Scupper Co., scuppers.

Major items of equipment have been supplied by the following: Babcock & Wilcox Co., four 510-horsepower boilers; Combustion Engineering Corporation, four Cox stokers and equipment; Otis Elevator Co., elevators; Superheater Co., four superheaters for boilers, all of New York; Westinghouse Electric & Manufacturing Co., Pittsburgh, Pa., 500-K. W. turbo generating set; Allis-Chalmers Manufacturing Co., Milwaukee, Wis., engine equipment and accessories; Grinnell Co., Inc., Providence, R. I., automatic sprinkler system; Whiting Corp., Harvey, Ill., 25-ton traveling crane; Automatic Electric Co., Chicago, automatic telephone service; Carbondale Machine Co., Carbondale, Pa., refrigerating machines; Link-Belt Co., Chicago, coal and ash handling machinery; Lamson Co., Inc., Syracuse, N. Y., pneumatic tube system; Alvey Manufacturing Co., St. Louis, conveyor system; A. McKinley, plumbing; M. H. Crane, Estate, heating and temperature regulating system; Livingston Hutchinson, electric wiring; Kombrodt & Weiss, ventilating system.

Bids Asked on \$250,000 Courthouse.

Rutherfordton, N. C.—Bids will be received until September 8 by the Rutherford County Board of Commissioners for the erection of a \$250,000 courthouse here. Plans and specifications may be obtained from Louis H. Asbury, architect, Charlotte.



NEW SEARS-ROEBUCK BUILDING FOR KANSAS CITY, MO.

Plan to Begin \$13,000,000 Development— Alabama Power Company to Produce 180,000 Horsepower on Coosa River.

Wetumpka, Ala.—Engineers are now in the field at Lock 18 on the Coosa River for survey of a branch line of railroad to connect with the Louisville & Nashville either at Wetumpka or Elmore; this will be used to transport machinery and supplies to the dam site at the lock where the Alabama Power Co. plans a \$13,000,000 development. The power project is a large one and is designed for the production of 180,000 horsepower, or about the same as is provided in the Cherokee Bluffs development of the Alabama Company.

The height of the dam will be such as to raise the river level 95 feet above its usual elevation, and this will bring the reservoir level up to the tail-water level at Mitchell dam. More than 350,000 cubic yards of concrete will be used in the construction of the dam and power-house, while the reservoir will cover an area of 4800 acres. This development will be known as a "run-of-the-river" plant, in which the water flowing in the river will have to be used as it comes or else wasted. The volume of stored water will be small. It is estimated that 18 miles will be added to the navigable length of the Coosa River, and that slack water will provide six-foot navigation for a distance of 58 miles.

Lock No. 18 dam will be in Elmore county, 18 miles downstream from Mitchell dam and 7½ miles upstream from Wetumpka. It is about 22 miles by road from Montgomery. Application has already been made by the company to the Federal Power Commission, Washington, and to the State Public Commission, Montgomery, for authority to begin construction. All construction work will be handled by the Dixie Construction Co., Birmingham, a subsidiary of the Alabama Power Co.

\$1,250,000 for Work on Dams.

Louisville, Ky.—An appropriation of \$1,250,000 to further work on Ohio River dams in the Louisville district has been announced by the Chief of Army Engineers, according to reports from Washington. The allotment includes the following: Dam No. 44, Leavenworth, Ind., \$40,000; No. 45, Addison, Ky., \$50,000; No. 46, Owensboro, \$100,000; No. 49, Uniontown, \$250,000; No. 50, Caseyville, \$210,000; No. 52, Smithfield, \$350,000, and No. 53, Joppa, Ill., \$250,000.

This appropriation does not include the power and navigation dam at Louisville, for which Col. G. R. Spalding, engineer in charge of the district, expects \$500,000. The initial appropriation will be used to lay tracks and install sawmill for making timber for cofferdams. It is estimated that the dam will cost \$11,000,000, of which the Louisville Hydro-Electric Co. will pay approximately \$7,500,000. It will be more than two miles long.

New Equipment and Steel.

Class 1 railroads during the first seven months this year placed in service 93,869 freight cars, according to reports filed with the American Railway Association. This was an increase of 5069 over the number installed during the corresponding period last year. The same railroads placed in service 1066 steam locomotives, as compared with 1268 during the same period last year, and on August 1 they had 250 locomotives on order. All figures include new, rebuilt and leased equipment.

Southern Railway will order 10 steel cars 70 feet long for horses.

Gulf Coast Lines, it is noted, proposes to purchase 500 box cars and 250 gondola cars, all with steel underframes.

Orders for rails and structural steel are announced as

follows: Louisville, Henderson & St. Louis Railroad 3000 tons of rails from the Illinois Steel Co. and 180 tons of structural steel from the American Bridge Co.; Illinois Central Railroad, 140 tons of structural steel from the McClintic-Marshall Co., which has also received orders from the Louisville & Nashville Railroad and the Santa Fe system for 1250 tons and 100 tons of structural steel, respectively.

\$10,000,000 Expansion Program of a West Virginia Steel Company.

The Weirton Steel Co. of Weirton, W. Va., has an expansion program to cover a four-year period and involves an estimated expenditure of \$10,000,000. Improvements and additions contemplated for some time past have been definitely decided upon and detailed plans are now being worked out in the company's engineering department.

In addition to the construction of loading and unloading docks, plans for which are complete and in the hands of river authorities for approval, there will be added 45 by-product coke ovens and a large type blast furnace to produce an average of 800 tons of pig iron daily and increase the total annual production to 550,000 tons. Increases will also be made to the open-hearth plant which will bring the production of that department up to 800,000 tons of ingots annually.

Plans for a new tube mill are well under way and it is expected that construction on this unit will soon begin, while plans have also been approved for new storage yards at Weirton, with overhead cranes, to take care of 100,000 tons of scrap and pig iron. Extensions will be made to the sheet mills which will largely increase their output and widen the range of production.

Cotton Growing Reached Most Northern Okla- homa Area This Season.

Ponca City, Okla., August 24—[Special.]—The northern tier of counties in Oklahoma are becoming cotton-growing counties, and this crop is gradually getting across the line also into Kansas, where several fields have been planted during the past season, evidently a successful experiment. For a long time the second row of counties to the southward in Oklahoma was considered the northern limit, with gins at Perry, Pawnee and various other points. Now, however, there are gins at Fairfax and Barnsdall in the Osage with prospects of others in the northern tier of counties.

The first cotton planted above the old north limit dead-line was on the 101 Ranch by the Miller brothers a few years ago, and so great has been their success that they have 2000 acres in cotton this year, with approximately 200 negroes employed to farm and harvest the crop. This success of the Millers led to others making the experiment. Cotton was grown successfully last season in the western Osage, where there is another good acreage this year.

Long-staple cotton, grown by the Miller brothers between rows of young apple trees during the 1924 season brought 30 cents a pound when sold during March of 1925. No higher price was paid for Oklahoma cotton of the 1924 crop. The information on this point came to the Miller brothers from Andrew J. Ray, state cotton grader in the office of the State Board of Agriculture at Oklahoma City, who said: "This is as high a sale as has been made in the state of Oklahoma this year."

It was this particular cotton that the Miller brothers grew for the purpose of making their Wild West show tents to be used on the road this season, according to Col. J. C. Miller. After the amount necessary for the tents had been used, there remained the nine bales, which were sold for 30 cents a pound, or a total of \$1365.90. The Millers secured the seed for the crop in Mississippi.

George L. Miller, the finance director of the 101 Ranch, has

announced that if the Rock Island Railroad is permitted to build to Ponca City, he will erect a cotton gin on the ranch, just north of the "White House," in order to gin the cotton grown on the ranch and by other farmers.

Alabama Corporation Capitalized at \$1,000,000.

Birmingham, Ala.—Formal organization of the Alabama Acceptance Co., capitalized at \$1,000,000, has been effected by the election of the following officers: R. A. Brown, president; N. L. Miller, vice-president, and W. Carson Adams, secretary. It is the purpose of the new company to conduct at first a business of buying motor-vehicle purchasing notes, and later to increase the scope of its activities by engaging in a general discount and acceptance business with an increased capital.

Big Flour Mill for Kansas City.

Kansas City, Mo.—According to an announcement by E. P. Mitchell, manager of the Kansas City branch of the Washburn-Crosby Milling Co. of Minneapolis, that company plans to begin at once the erection of a new flour mill in Kansas City. It will be built on a site owned by the company in East Bottoms, but will not be connected with the present mill located there. It is thought the new mill will have a daily capacity of 6000 barrels, increasing the Washburn-Crosby production here to 9000 barrels daily.

Bids Invited on \$2,250,000 Building.

Miami, Fla.—Bids will be received until September 15 by the Board of Dade County Commissioners, J. D. Redd, chairman, on the following contracts for the erection of the proposed \$2,250,000 courthouse and city hall building here: Footings and foundations of reinforced concrete and steel; waterproofing and dampproofing; steel frame complete; tile and concrete floor slabs and concrete and tile fireproofing; terra cotta or stone exterior and backing; steel window frames and glazing, and sheet metal work and roofing.

The building will be 168 by 168 feet, three stories and basement, above which there will be four stories, 138 by 138 feet, surmounted by an 18-story tower, 78 by 78 feet, with a stepped pyramid approximately 50 feet high. A. Ten Eyck Brown of Atlanta is the architect, and August Geiger, Miami, associate architect.

American Tire Manufacturer Leases 1,000,000 Acres in Liberia for Production of Rubber.

What is said to be the first effort of an American manufacturer to grow rubber on a large scale is the announcement by the Firestone Tire & Rubber Co. of Akron, Ohio, that negotiations have practically been completed for the leasing of 1,000,000 acres of rubber plantation land in Liberia from the Liberian Government. It is stated that Firestone has now under cultivation in Liberia a thousand-acre plantation. The rubber produced from it is said to be the best quality for tire manufacture and other purposes. Harvey S. Firestone, president of the company, has long been interested in projects for American rubber factories growing their own rubber and has waged a strenuous fight against the monopoly of the rubber-producing industry.

Three-fourths of the acreage of all rubber plantations in the world are controlled directly or indirectly by Great Britain. America, the largest consumer of rubber in the world, has control of only a small percentage of the total acreage of rubber-producing plantations. It is predicted that through the formation of a mammoth corporation, financed by American capital, rubber production in foreign countries will be undertaken on a great scale.

Government's Latest Cotton Estimate 13,990,000 Bales, an Increase of 424,000 Bales Over August 1 Forecast.

Based on conditions of August 16, the Agricultural Department reports an indicated cotton crop of 13,990,000 bales. This is an increase of 424,000 bales over the August 1 forecast. Should this estimate prove to be the final production of this year's cotton crop, it would be the largest since 1914.

Last year the production of cotton was 13,628,000 bales, two years ago 10,140,000 bales, three years ago 9,762,000 bales, while the average production for the five years 1910-1914 was 14,259,000 bales, the largest output being in 1914, which amounted to 16,135,000 bales.

The report states that since August 1 prospects have improved in all important cotton states, except South Carolina, Alabama and Arkansas. Drouth in South Carolina and northern Georgia and in most of south-central Texas still continues. In Arkansas the crop is suffering chiefly from insects and diseases. The cotton yield in Texas is still extremely uncertain. Fully 2,000,000 acres have been abandoned (or have stands so poor that they will not be picked) since June 25, at which time it was estimated that Texas had 18,237,000 acres of cotton. Oklahoma is reported to have had ideal weather over most of the state, which had offset increasing weevils, boll worms and leaf worms, reported to be serious in most counties, the damage from the boll worm being most frequently mentioned by reporters.

Foreign cotton crop acreage has increased this year, according to latest Government reports, India having an increase of 27 per cent, China 13 per cent, while the progress of the Egyptian crop is reported about normal.

Another Record for the South.

Two counties in the South, one in Virginia and one in Kentucky, are first and second, respectively, in the use of purebred sires in livestock breeding.

With 592 livestock owners officially enrolled with the United States Department of Agriculture as purebred-sire users, Pulaski county, Virginia, is the premier county of the United States in the extensive use of purebred males in livestock breeding operations, so far as the department's records show. A recent report of the Bureau of Animal Industry notes that Pulaski county contains 843 farms reporting livestock, according to the last census, making purebred-sire users about 70 per cent of the total. The figure applies to livestock owners who use such sires for all classes of livestock raised, including cattle, horses, swine, sheep and poultry. The census reports 970 inclosures, not farms, which would lower the percentage considerably, but would still permit the county to hold its premier position with respect to the wide use of purebred sires.

Union county, Kentucky, is the only serious competitor of Pulaski county. The figures given have added significance when considered in the light of reports which the department receives frequently on the benefits derived from the breeding of improved stock. From a financial point of view the widespread use of purebred sires may be expected to bring fully \$100,000 additional returns to the farmers of a good livestock county. This estimate is based on calculations from county-agent sources and is believed to be conservative. The Bureau of Animal Industry has consistently urged the use of good purebred sires as a sound and practical method of livestock improvement. Responses from stock owners who have adopted the method have shown general satisfaction with the results.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

Another View on Taxation Problems.

CARL WERNICKE, Pensacola Tar & Turpentine Co.,
Gulf Point, Fla.

There is an angle of the income-tax question which has been touched but not sufficiently stressed. If I were the leader of a group of rich men deliberately setting out to gain control of this nation, my first move would be to confine the burden of taxation to my group. That from which a government derives its sustenance it must cherish and preserve. Having thus made the government dependent upon my group, I should then endeavor to bring about dependence of the people upon the government, by government ownership of such things as coal, transportation and power. Next, I should extend widely old-age, poverty and employment insurances, following this by government monopoly of the distribution, at cost, of the essentials like wheat, cotton and lumber. All this could be masked easily as altruistic efforts for the people, to relieve their distresses and lighten their burdens. By such means, in as few as 25 years, my group would have a grip on the nation not equaled by any autocracy in history.

Having welded this nation into a docile and dependent mass-weapon, I could extend my power and methods to other countries. In two generations bold and skillful men could so dominate the world. Chances of successful rebellion would be slight. The creation of military aristocracies followed the practice of laying the burden of fighting upon a class. The terms of the equation are different, but the operation of the laws governing social equations remain the same. When a people surrenders its responsibilities, it surrenders its freedom. Those who assume the responsibilities, voluntarily or otherwise, also assume rule.

I think I can see Great Britain being so molded today. It may be necessary there, because too late to resist the processes. We are traveling the same road, but still can change.

Bumper Crop in East Carroll Parish.

ROBERT H. MCGIMSEY, Lake Providence, La.

There is another bumper crop in East Carroll parish, Louisiana, this year—even larger than that of 1924. Merchants and automobile dealers are doing a flourishing business and general prosperity is in the air. Farmers are in fine spirits. There is every indication of "bale-an-acre" cotton in many fields, and acreage is being greatly increased for next season. Corn is making a good yield per acre, and truck growing, which is a new industry in this parish, has proved so profitable that growers are laying plans for carload shipments next year. The Missouri Pacific Railroad has guaranteed all necessary refrigerator cars for prompt delivery of truck to Northern markets.

Farmers and business men are taking advantage of their opportunities and have organized a live chamber of commerce to advertise the resources of East Carroll parish to the rest of the world. L. W. Baldwin, president of the Missouri Pacific Railroad Co., sent his representative, C. K. Bothwell, to Lake Providence recently to assist in perfecting the organization and to formulate a program of activity. A plan is on foot to run special trains into East Carroll parish, bearing investors from all parts of the country.

East Carroll was the banner parish at the Louisiana State Fair last fall, winning first, second, third, sixth and seventh prizes for the greatest yield of cotton per acre. Many other

premiums were taken by farmers of the parish, especially for fancy pecans, that species of nut being indigenous to the soil. Its grain, corn and oats won second prizes last year at Chicago in a nation-wide contest.

The parish has good roads, good schools and thorough drainage. Its fertile acres of dark loam are available at low prices. Investors and farmers are moving in more rapidly than ever before.

A Warning Against Overbuilding of Paper Mills in the South.

C. E. DOBSON, Secretary, Southern Kraft Manufacturers' Association, New Orleans, La.

It seems to me that a word of caution is necessary to chambers of commerce in regard to the danger of endeavoring to promote the building of manufacturing establishments within their cities without giving adequate consideration to the production and sales conditions in the industries which these represent, since such conditions have a vital bearing on the fortunes of the projects so promoted. Deserted plants here and there over the country are monuments to enthusiasm which was not balanced by careful investigation and sober judgment of all the economic conditions which these establishments had to meet.

Plants that fail are a handicap instead of a help to a city. The long view gives the true measure of success. It is not the appearing to do, but the doing, that is of value to the community. Getting doesn't count so much as keeping.

I have particular reason to notice this in my present position as secretary of the Southern Kraft Manufacturers' Association. Communities all over the South are attempting to promote kraft paper mills. The word has gone out that kraft pulp and paper can be manufactured very economically in the South, and this is true under certain conditions. But there are other facts to be considered that are equally true. These are:

1. The production of kraft paper in the United States today is in excess of the consumption, although the mills are not producing to capacity.
2. With the coming in of mills now under construction and of new machines now being installed in present mills, production in the South early next year will be 650 tons per day, a more than doubling of production within 18 months. This may be taken care of by the exertions of all concerned, but further increase until this is digested might be disastrous.
3. Any further increase in Southern kraft production is likely to upset an already sensitive market and still further lessen the chances of new mills to succeed, even with low manufacturing costs, for already the increase in actual or projected production during the past year has forced the price, at times, below the cost of manufacture.

The South is unquestionably a fertile field for development in the paper industry, but this development has been largely along one line—kraft—and that has been overdone. Recent experiments seem to indicate the possibility of producing newsprint, of which we now import hundreds of thousands of tons yearly, to advantage. Also, there have been successful experiments in producing book paper.

The situation in the industry as a whole is stated by one of the trade papers as follows:

"Since 1920 our annual production has increased 700,000 tons, but capacity has increased 1,900,000 tons. It seems almost unbelievable, yet it is a fact, that despite the continual evidence of a capacity already too large for the country's requirements, the building of new machines should continue unabated."

THE IRON AND STEEL SITUATION

Steel Activity Above Normal.

Pittsburgh, August 24.—[Special.]—With no important exception but the case of the freight-car building industry, the buying of steel products at the present time represents a very good volume of industrial and building activity all along the line. In two lines the activity is well above the average or normal, these being the laying of gas and oil lines, particularly gas lines, and large structural steel work, involving bridges and buildings. Drilling of oil and gas wells may possibly be considered above the normal or average, but this cannot be stated certainly, for that line is so erratic that it would be difficult to determine the normal or average in order to make comparisons.

In no steel-consuming line in fact, apart from the exception mentioned, can it be said that activity is below the normal or average. There is no line showing anything that could be called dullness.

Freight-car buying has been very light for more than four months, and as the car shops are now nearly out of orders the case has become more conspicuous. One explanation for the lack of heavy buying is that the railroads have succeeded in making such efficient use of their equipment that they do not need to increase it much, but in other quarters this is denied, it being held that there are many freight cars so out of date that they should be replaced. Lately it has been hinted that the railroads are seeking lower prices for cars. If so, the sticking point can hardly be the cost of the steel as furnished by the mills, involving bars, shapes and plates, for there is the practical test of this in that the same rolled products are involved in fabricated structural steel, business in which has run particularly heavy in the past two months, and in the structural trade it is said that no little of this business has been brought to the placement stage by the very close prices quoted. Of course, the mills will sell steel to the freight-car shops at as low prices as to the fabricating shops.

A general comparison of the fabricated structural-steel statistics is of interest and shows clearly the large amount of activity there has been and now is. The contracts placed in the 12 months through last June were 14 per cent greater in tonnage than those of the 12 months preceding. Both long-range and short-range comparisons show good increases in this activity, which involves work for months ahead. Shipments of the fabricating shops in the first seven months of the year exceeded the bookings by only a trifle, so that the shops are practically as well filled with orders now as at the beginning of the year, when they were admittedly well fixed.

This month's steel production will probably run fully 5 per cent above that of July, when production was 18 per cent under the average of the first six months of the year, a period of exceptionally heavy production. The July production was 6 per cent above the average of the six post-war years up to this year, so that July was really not a low month by a long-range comparison. When steel-mill operations swing around a turn, they generally keep on the new tack for quite a while, so that the balance of probability is strong that July will prove to be the low month of this year.

Steel prices are steady in the main, being firm on some lines, but showing signs of the sharp competition in bars, shapes and plates. Recent expectations that steel prices might advance are not now entertained to any great extent.

Pig iron continues rather quiet as to turnover, with prices steady and showing no disposition to change. A sale of 5000 tons of basic iron for delivery over the last four months of the year at the regular market price of \$18, valley, suggests that there is not much likelihood of the market advancing for

fourth quarter, as some merchant furnacemen had expected, on account of coke.

A week ago there was reported a sharp advance in Connells-ville furnace coke to \$3.25, making 35 cents advance in a fortnight after a long period of stagnation. This was produced chiefly by buying by Eastern non-metallurgical consumers, largely gas companies, the buying being prompted by the anthracite scare. In the past week the market has been very dull, making a sharp contrast, and some members of the coke trade are wondering whether Eastern consumers have obtained some fresh news, raising doubts whether there will be much of an anthracite suspension. As a result of the recent activity in coke, two blast-furnace interests decided to cover for fourth quarter without further delay, yet had to pay \$3.50 to \$3.75, respectively, when last June third-quarter contracts were being made at \$3 and less and fourth-quarter contracts at scarcely more than \$3.

Iron and Steel Business on Steady Basis.

Birmingham, Ala., August 24.—[Special.]—Production steady, melt in the home territory still active and quite a lot of iron moving, sales now and then in tonnage of more than from one to three cars—this tells the story of the Southern pig iron market. The iron-consuming industries of the home territory are requiring much pig iron. Cast-iron pressure-pipe plants are operating to nearly capacity, while soil pipe and fittings, sanitary pipe making, are being produced on a fairly good pace. Stove foundries and other shops where more or less pig iron is melted are requiring a little tonnage. Inquiries for fourth quarter have been steady and a few sales already made.

Quotations are firm at \$18.50 per ton, No. 2 foundry, though melters are looking for concessions. The larger consumers of iron have not purchased in great quantity recently, but apparently have considerable iron still due them for future melting. Shipment of iron into the middle West continues steady, but the lots are small. The production could be much healthier. The Woodward Iron Company's No. 1 blast furnace, back in operation, is adding to the general output of iron.

The steel making and fabricating conditions in the district are splendid, and there is need for all the steel being produced. Good demand is noted in various shapes, structural beams, angle bars, reinforcing bars and so on in the building line especially enjoying a healthy inquiry. Wire, and nails are moving also, while the several fabricating plants working on steel plate, manufacturing tanks, etc., are requiring a little tonnage. The new industry on tanks and tank cars will, as time passes, have to receive more plate than at the start. The R. I. Ingalls Iron Works, the Southern Steel Company and other steel fabricating plants of this territory are still working on orders from Florida, the home territory and elsewhere in structural shapes. Another month will pass before the new sheet mill of the Tennessee Coal, Iron & Railroad Co. will start up, various finishing mills of the Corporation requiring a healthy supply of steel right now. The sheet mill will mean a new epoch in the steel circles in the South, it is stated, and will attract a number of smaller industries, plants which will use more or less sheet steel in their operation.

Another active industry is that of Portland cement, demands now being in excess of production. One of the larger manufacturing companies is working hard to keep up with orders and move the product to meet the more urgent orders. The several plants in this state are operating to capacity and still more business is being offered. Announcement is made that

a large and modern cement manufacturing plant is to be erected near the city limits of Birmingham, a plant which will have something like 2,000,000 barrels of cement per annum capacity. The site has been optioned and investigations are under way as to the extent of raw material.

The American Bridge Company is building additional barges for the Warrior River barge service, operated by the Inland Waterways Corporation, the Tennessee Coal, Iron & Railroad Co. taking the order for the barges. Seventeen hundred and eighty five tons of steel will be used in these barges. The Warrior River service is showing increased business in both directions, much iron and steel products during the past few weeks having been handled down the stream, while merchandise, sulphur, manganese ore and other products have been coming upstream. The Birmingham News recently brought up 100 tons of newsprint, the paper being brought from Vancouver via the California coast, through the Panama Canal, via Galveston and Mobile up the Warrior River.

The Alabama Power Company is pushing the work on the Cherokee Bluff hydro-electric development on the Tallapoosa River, and completion is now scheduled for early next year. Permission is being sought for development of hydro-electric works on the Coosa River again, near the lower end. The Alabama Power Company has several projects in mind. The Cherokee Bluff development is of the major class of development of its kind.

The coal-mining industry shows further improvement in Alabama. Production is up to 388,000 tons and more per week, the domestic coal demand now beginning to show some activity. While as a general proposition it is believed the strike in the anthracite coal fields will be of value in the bituminous coal fields, even as far as Alabama, that cause is not yet been felt here. A widening market for bituminous coal is held responsible for the improvement that has set in, and it is believed that steady operation of mines will be necessary from now on.

The scrap iron and steel market in the South is holding a little firmer, though quotations are low. Heavy melting steel shows no change from the \$13 per ton price that has prevailed for many weeks. Considerable old material is moving from day to day, dealers are keeping their yards in fine shape and strong hopes are maintained that the market will be active.

Quotations for pig iron and steel scrap follow:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$18.50 to \$19.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$19.00 to \$19.50; iron of 2.75 to 3.25 per cent silicon, \$19.50 to \$20.00; iron of 3.25 to 3.75 per cent silicon, \$20.00 to \$20.50; iron of 3.75 to 4.25 per cent silicon, \$20.50 to \$21.00; charcoal iron, f. o. b. furnaces, \$30.00.

OLD MATERIAL.

Old steel axles	\$16.00 to \$17.00
Old iron axles	16.00 to 17.00
Old steel rails	13.00 to 14.00
Heavy melting steel	13.00 to 14.00
No. 1 cast	16.00 to 16.50
Stove plate	13.00 to 13.50
No. 1 railroad wrought	12.00 to 13.00
Old car wheels	15.00 to 16.00
Old tramcar wheels	16.00 to 16.50
Machine shop turnings	7.00 to 8.00
Cast-iron borings	7.00 to 8.00
Cast-iron borings (chem.)	15.00 to 16.00

More Gold and Less Silver Produced in 1924.

The gold production of the United States in 1924, amounting to 2,528,900 ounces, valued at \$52,277,000, was the largest in any year since 1919 and \$543,000 greater than the output of 1923.

Silver production last year, however, showed a decline. The output for 1924 was 65,407,186 ounces, valued at \$43,822,814, or 7,930,784 ounces less than the 1923 production.

California, with a gold production of \$13,085,700, led all the states in gold output, while Montana, with a silver production of \$9,171,447, was the leading silver-producing state.

RAILROADS

Georgia & Florida Railway Reorganization Tentatively Planned.

John Skelton Williams, receiver of the Georgia & Florida Railway, is quoted in an announcement made in Baltimore August 22 that tentative plans have been under discussion for the reorganization of the property and for raising from \$4,000,000 to \$5,000,000 to fulfil them; also that this will be sufficient to retire all the receiver's certificates and other debts incurred during the receivership excepting a Government loan of \$792,000, which is to be extended, and \$200,000 of terminal bonds that do not mature until 1930. Furthermore, the money will be sufficient to include the cost of building the contemplated extension northward from Augusta, Ga., to Greenwood, S. C., about 55 miles, and to make some other improvements.

A report made by Coverdale & Colpitts, consulting engineers, who lately completed an investigation of several months' duration, says that the property was found to be in good physical condition and they recommended that the proposed extension be made.

T. C. duPont Interested in a Florida Development Plan.

Barron G. Collier of New York, who is president of the Florida Navigation & Railroad Co., has, according to a press report from Fort Myers, Fla., bought the steamship Royal Palm and its terminals at Fort Myers and Tampa for the organization which he is head. It is further stated that T. Coleman duPont is chairman of the board and Cornelius Vanderbilt vice-president, Harry Botts being general manager.

Nearly a year ago at Miami Mr. Vanderbilt announced the plans of the Florida Navigation & Railroad Co. to build a line across the state of Florida from Miami to Fort Myers, about 150 miles, and that rails and six locomotives had been purchased to begin construction. He further said that it was proposed to operate four steamers from Miami to Nassau and Tampa and possibly to New Orleans.

In connection with the announcement it was stated that a large real estate development would be conducted.

South's Freight Traffic Shows Big Gains.

Freight traffic on the railroads during the first six months of this year amounted to 212,509,796,000 net ton miles, according to reports filed by the lines with the Bureau of Railway Economics, this total showing an increase of 7,782,890,000 ton miles, or 3.8 per cent, as compared with the corresponding period last year. The increase in the Southern District was 6 per cent, in the Eastern District 3.6 per cent and in the Western District 3.2 per cent. As compared with the same month of last year the increase during June in the Southern District was 16.8 per cent, in the Eastern District 13.2 per cent and in the Western District 9.1 per cent. There was also an increase of more than two miles in the daily average movement per freight car.

Work to Begin on Brooksville-Inverness Route.

To complete its line between Brooksville and Inverness on the west coast of Florida the Seaboard Air Line proposes to build 18 miles of railroad from Brooksville to Holder and has applied to the Interstate Commerce Commission for authority to begin construction. In connection with the Tampa Northern division this new line will reduce the distance from Inverness to Tampa.

Seaboard Air Line Leases Charlotte Harbor & Northern Railway.

Announcement has been made in New York that the Seaboard Air Line has agreed with the American Agricultural Chemical Co. to lease the Charlotte Harbor & Northern Railway for three years and to purchase it at the end of that time, this deal being subject to the approval of the Interstate Commerce Commission.

Trains of the Charlotte Harbor & Northern Railway already connect with those of the Seaboard Air Line at Plant City, Fla., running thence 117 miles via Arcadia, Fort Ogden and other points to South Boca Grande, and it is the intention of the Seaboard, as heretofore published, to build a connection from Arcadia or some other point to Fort Myers, 40 or 50 miles, this to be run in connection with a line from Fort Myers to Naples, Fla., which is being built by John S. Jones of Columbus, Ga. This construction is to give the Seaboard its own through route from the North and West to the Fort Myers region, which is developing rapidly, as are other points on the west coast of the state.

Freight Loadings Keep Above 1,000,000 Cars a Week.

Loadings of revenue freight on the railroads continue to increase now every week. The American Railway Association report for the week ended August 8 says that during the period 1,051,611 cars were loaded, which was an increase of 8548 cars as compared with the week ended August 1 and the greatest number loaded in any week this year. As compared with the corresponding week of last year the total showed an increase of more than 110,000 cars, and as compared with the same week in 1923 of over 77,800 cars, although 1923 was the greatest traffic year recorded so far. Increases were reported in the loading of all commodities excepting miscellaneous freight and ore, in which decreases were small. Since January 1 this year there have been 30,280,136 cars loaded with revenue freight, an increase of 1,683,055 cars as compared with the corresponding period of last year and of 326,683 cars with the same period in 1923.

Rock Island's Proposed Texas Panhandle Line.

No survey has yet been made for the line which the Chicago, Rock Island & Pacific Railway proposes to build from Liberal, Kan., to Amarillo, Texas, 145 miles, but the railway company has asked the Interstate Commerce Commission for authority to build such an extension. It would diverge from Liberal to the eastward of the Rock Island's existing main line that goes southwest through there and then go down into the panhandle of Texas, where the Santa Fe system is now almost alone in providing railroad transportation facilities, although the Rock Island line from Oklahoma City to Tucumcari passes through Amarillo, as does the Fort Worth & Denver City Railway between Denver and Fort Worth. The Burlington system is also proposing construction in the Texas Panhandle, or South Plains country, as heretofore published.

Railroad Appointments.

Traffic appointments on the Central of Georgia Railway include W. C. Hurst as traveling freight agent at Cincinnati, Ohio, and J. M. Grubbs as freight service agent in the same city, the latter succeeding Mr. Hurst, who has been promoted.

The Seaboard Air Line has appointed C. S. Mayne as commercial agent at Little Rock, Ark., succeeding C. E. Shannon, resigned, and W. C. Whetstone has been appointed traveling freight agent at Birmingham, Ala., succeeding Mr. Mayne, who was promoted.

TEXTILE

New Knitting Mills to Cost \$850,000.

Clinton, Tenn.—As recently reported by the MANUFACTURERS RECORD, the Magnet Knitting Mills have awarded general contract to the Brown-Harry Company, Gastonia, N. C., for the erection of a full-fashioned hosiery plant to cost approximately \$850,000, including machinery. Heating, electrical and fire-protection contracts are to be awarded later.

The building will be of reinforced concrete, with steel sash and doors, exterior to be trimmed with tapestry brick and white terra cotta. It will be 100 by 250 feet, two stories, and will contain no wood except maple flooring. Special actinic glass will be used in glazing in order to cut out the infra red rays, and heating will be by convection rather than radiation, the air being heated by 12 specially designed copper radiators. White porcelain fixtures will be installed in rest rooms and toilets, and modern lockers and equipment will be provided. Provision will also be made for an emergency hospital and space for a dental clinic.

Electric wiring for both motors and lighting will be completed for the installation of 100 hosiery machines to have an ultimate production of 2000 dozen pairs of hose per day. Knitting machines are now being built by the Textile Machine Works, Reading, Pa., and are said to incorporate features not heretofore found in American-built machines. The initial allotment will be installed at a cost of \$150,000, to be followed by other machines later.

J. E. Sirrine & Co., Greenville, S. C., are the engineers.

\$1,000,000 Company to Build Southern Plant.

Plans are being considered by W. H. & A. E. Margerison & Co., Philadelphia, for the organization of a new company, to be capitalized at \$1,000,000, for building a Southern mill to manufacture a medium grade of Turkish towel. This company makes the Martex brand of Turkish towel and states that it has an increased demand for a medium grade. The production of its Southern mill will be sold in conjunction with its high-grade line now made at the Philadelphia plant.

Several North Carolina sites in the vicinity of Salisbury and Concord are receiving consideration.

Acquires Control of Hosiery Mill.

East Flat Rock, N. C.—According to an announcement here, the Skyland Hosiery Co., manufacturing men's seamless cotton and silk hose, has been purchased by Charles Chipman's Sons Co., Inc., of New York, the present selling agents. The plant is equipped with 200 latch-needle knitting machines, 40 ribbers, 40 loopers and three sewing machines, with dyeing, bleaching and finishing departments.

New Cotton Mill for Fort Worth.

Fort Worth, Texas, August 22—[Special.]—The Fort Worth Cotton Mills have incorporated here with a capital stock of \$1,000,000 to construct and operate a large cotton mill near the city. Directors of the company are W. H. Slay, W. C. Durringer, John Griffin and R. C. Sweeney, Fort Worth, and G. L. Moody, Dallas.

Special Road and Bridge District No. 12 of Pinellas county, Florida, has sold a bond issue of \$425,000 to Davis, Miller & Cobb, Clearwater, Fla., at \$403,750, and has awarded contract to the same firm for the construction of roads in the district.

GOOD ROADS AND STREETS

Continued Increase in Paving Brick Shipments.

A continued increase in shipments and a decrease in both stock and unfilled orders is observed in the July business report prepared by the National Paving Brick Manufacturers Association.

July shipments of 34,317,000 from companies representing 71 per cent of the industry's capacity were 2,500,000 greater than in June. With production remaining practically constant at 79 per cent of capacity, the stock on hand and unfilled orders decreased to approximately 117,000,000 and 75,000,000, respectively.

Ohio, Kansas, Florida, Pennsylvania, Texas and Illinois are a few of the states receiving a million or more paving brick last month for their city streets and country highways.

South Carolina Wants Bids.

The State Highway Department, Columbia, S. C., will receive bids until September 1 for building 5.726 miles of sand-clay road in Lee county and a 253-foot reinforced concrete bridge over Enoree River in Greenville county. Bids will also be received until the same date for the construction of the Sante River bridge and approaches between Clarendon and Orangeburg counties. This work will consist of approximately 9620 feet of bridge and embankment, to include one 188-foot and two 150-foot steel trusses on concrete piers, 6863 lineal feet of treated timber pile trestle and 2286 lineal feet of earth embankment, the latter to include 184,000 cubic yards of earth. Work will be awarded in the following contracts: Sub-structure, superstructure, timber trestle and earth fill.

Will Investigate Culvert Pipe.

Announcement is made by Charles M. Upham, director of the Highway Research Board of the National Research Council, of the commencement of a new investigation by that board on culvert pipe, and that R. W. Crum, engineer of materials and tests, Iowa State Highway Commission, has been designated chairman of that investigation. The objects of this study are: To correlate the various tests and experiments on pipe loads and stresses; to set up a standard of comparison of the life of different kinds and classes of culvert pipe, and to determine the most probable conditions of service for which standards should be designed.

Two West Virginia Roads to Cost \$267,000.

Charleston, W. Va.—Contracts have been awarded by the State Road Commission for two highway projects to cost more than \$267,000. Construction of these will complete the road between Hinton and Beckley, one to cover a distance of five miles from Hinton to the Raleigh county line and the other six miles from Shay Springs to the Summers county line. Contract for the first was awarded to the Elkins Construction Co. of Elkins, W. Va., at \$116,186, and the other to Janutulo Construction Co., Fayetteville, W. Va., at \$151,712.

Bids Invited on \$1,500,000 Bonds.

Jacksonville, Fla.—Bids will be received by Duval County Commissioners until September 21 for the purchase of \$1,500,000 of road bonds to be issued in denominations of \$1500 each and to mature in 1955. In connection with its road-building program the board has appointed Frank M. Edwards as county engineer, who will have charge of all road construction. T. B. Carrick has been named as chief bridge engineer.

Two Road Projects and One Bridge.

Baton Rouge, La.—Bids will be received until September 10 by the Louisiana Highway Commission, at its office in this city, for the construction of two highway projects covering 12.57 miles of gravel road and for building Lake Fourche bridge between Morehouse and Richland parishes. One project embraces a distance of 11 miles on the Haynesville-Bernice highway in Claiborne parish, and the other 1.57 miles of the Opelousas-Church Point highway in St. Landry parish. The proposed bridge will be of creosoted pile-trestle construction, to consist of 16 25-foot panels. Plans and specifications are on file at the office of the commission.

Dallas Lets Contracts for Paving.

Dallas, Texas.—Contracts have been awarded by the City Commission of Dallas for 72 projects, embracing a total of 366,990 square yards of paving, to cost approximately \$1,440,000. The work was awarded as follows: Uvalde Paving Co., Uvalde, Texas, 62,260 square yards, to cost \$260,860; Texas Road Co., 86,950 square yards, \$294,181; Smith Bros., 66,780 square yards, \$253,226; Fuller Construction Co., 72,400 square yards, \$296,940, and Central Bitulithic Co., 78,600 square yards, to cost \$304,789, the four last named firms being of Dallas.

17 Miles of Coastal Highway.

East Point, Ga.—Bids will be received until September 4 by the State Highway Department, at its office at East Point, for the construction of 17 miles of the proposed Coastal Highway. This section will extend from the St. Mary's River in Florida to Woodbine, the county-seat of Camden county. It is planned to begin construction from the Florida end, the entire work to be let in several contracts. The next letting will cover a section from Woodbine to Waverly, a distance of nine miles.

For Rebuilding 10 Streets in St. Louis.

St. Louis, Mo.—Plans for the reconstruction of 10 streets in this city to cost \$348,400 in the aggregate have been approved by the Board of Public Service, and ordinances to cover the work have been recommended. These will be presented to the Board of Aldermen when it convenes in September.

Hernando County Votes \$1,000,000 for Roads.

Brooksville, Fla.—By a vote of seven to one, Hernando county has voted to issue \$1,000,000 of bonds for the construction of roads. With a population of approximately 5000, this is one of the largest issues per capita voted by any county in the state.

To Vote on \$500,000 Road Bonds.

San Angelo, Texas.—An election has been called for September 19 by Tom Green County Board of Commissioners on a bond issue of \$500,000 for the construction of roads in the county. It is proposed to hard-surface an additional 74 miles with Federal and state aid.

Bids will be opened the second week in September for 40,000 square yards of paving in Texas City, Texas, to cost about \$150,000. Plans and specifications for the work may be obtained from Forsgard & Davis, engineers, Texas City.

LUMBER AND BUILDING MATERIALS

Gain in New Business.

Washington, August 20.—Reports received by the National Lumber Manufacturers Association from 357 of the larger softwood mills of the country for the week ended August 15, as compared with 360 mills reporting for the preceding week, indicated production and shipments about the same, with a fair gain in new business. In comparison with the same period a year ago substantial increases in all three items were noted.

The unfilled orders of 243 Southern Pine and West Coast mills at the end of last week amounted to 615,106,319 feet, as against 601,832,130 feet for 244 mills the previous week. The 131 identical Southern Pine mills in the group showed unfilled orders of 255,998,560 feet last week, as against 248,996,320 feet for the week before. For the 112 West Coast mills the unfilled orders were 359,107,759 feet, as against 352,835,810 feet for 113 mills a week earlier.

Altogether the 357 comparably reporting mills had shipments 97 per cent and orders 103 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 102 and 112, and for the West Coast mills 100 and 108.

Of the reporting mills 349 (having a normal production for the week of 219,476,164 feet) gave actual production 107 per cent of normal, shipments 105 per cent and orders 111 per cent.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past Week	Corresponding Week 1924	Preceding Week 1925 (revised)
Mills	357	337	360
Production	247,615,480	214,615,328	245,378,586
Shipments	239,794,333	202,924,988	236,883,424
Orders	254,390,028	243,905,312	239,342,904

The following revised figures compare the lumber movements for the first 33 weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925	8,015,097,793	7,930,872,276	7,793,831,767
1924	7,668,273,505	7,614,984,251	7,397,145,386
1925 Increase	346,824,288	315,888,025	396,686,381

The Southern Cypress Manufacturers Association for the week ending August 12 reported from 15 mills a production of 5,362,653 feet, shipments 5,840,000 feet and orders 5,100,000 feet. With three more mills reporting, this Association

showed increases in production and shipments, with new business slightly less than for the previous week.

The Southern Pine Association reports from New Orleans that for 131 mills reporting, shipments were 2.13 per cent above production, while orders were 11.97 per cent above production and 9.63 per cent above shipments. Of the 118 mills reporting running time, 97 operated full time, 20 of which noted overtime. Three mills were shut down and the rest operated from four to five and one-half days.

The North Carolina Pine Association of Norfolk, Va., with reports from six more mills, indicated notable increases in all three items.

Cement Association to Build Own Home.

Contracts have been let by the Portland Cement Association to the Turner Construction Company of New York for a five-story office and laboratory building at the southeast corner of Grand avenue and Dearborn street, Chicago. This reinforced-concrete structure is to be the general headquarters and home of the association, which for the past 10 years has had its general offices on the fifteenth floor of the Conway Building. During the same period the Association's research laboratory, known as the Structural Materials Research Laboratory, has been located in the Lewis Institute, Madison and Robey streets, where it has been conducted co-operatively by the Association and the Institute.

The Turner Construction Company contracts for reinforced-concrete structures during 1924 involved the erection of some \$15,000,000 worth of new buildings. Holabird & Roche, Chicago architects, who planned the Association's new home, have designed such buildings as the new Palmer House, the Morrison Hotel, the University Club and the Grant Park Stadium.

Foundations for the new building will permit the erection of additional stories if increased demands for service to cement users call for more office or laboratory space. Precast concrete stone will be used for the Grand avenue and Dearborn street elevations. Monolithic concrete walls will be used on the other sides. On the interior there will be free use of cast concrete stone. The decorative wainscoting of the entrance vestibule, reception room, elevator lobby and conference rooms will be of cast stone or art marble—man-made stone consisting of Portland cement and selected marble chips as aggregates. All floors will be of two-way reinforced con-

LUMBER MOVEMENT FOR THIRTY-THREE WEEKS, AND FOR WEEK ENDING AUGUST 15.

	Production		Shipments		Orders	
	1925	1924	1925	1924	1925	1924
Southern Pine Association:						
Total	2,553,174,399	2,532,942,505	2,498,407,046	2,535,874,210	2,491,069,179	2,513,078,353
Week (131 mills)	71,211,576	66,278,176	72,731,600	75,546,900	79,733,840	78,228,150
West Coast Lumbermen's Ass'n:						
Total	3,284,270,249	3,042,746,031	3,453,738,770	3,193,850,312	3,408,988,328	3,053,545,282
Week (112 mills)	102,648,662	89,866,372	102,500,164	79,254,123	111,173,941	110,977,962
Western Pine Mfrs. Ass'n:						
Total	1,044,959,000	1,029,848,000	998,144,000	961,202,000	993,683,000	958,900,000
Week (38 mills)	37,904,000	28,564,000	32,928,000	22,397,000	31,004,000	26,375,000
California Redwood Ass'n:						
Total	247,973,000	282,578,000	227,334,000	227,153,000	230,676,000	222,169,000
Week (15 mills)	7,167,000	8,348,000	7,122,000	8,357,000	5,524,000	8,774,000
North Carolina Pine Ass'n:						
Total	278,815,345	250,369,718	273,577,560	251,465,195	223,429,260	216,630,751
Week (38 mills)	10,955,042	6,762,380	9,558,469	5,956,065	11,176,247	4,830,200
Northern Hemlock and Hardwood:						
(Softwood) Total	99,712,000	87,096,000	83,557,000	75,190,000	67,035,000	61,084,000
Week (14 mills)	2,708,000	2,528,000	1,547,000	1,477,000	1,354,000	595,000
Northern Pine Mfrs. Ass'n:						
Total	333,784,800	298,486,251	289,587,900	270,728,534	273,275,000	281,043,000
Week (9 mills)	12,934,200	10,337,400	10,372,100	8,092,900	10,560,000	11,885,000
General total for 33 weeks	8,485,380,793	7,524,066,505	8,459,342,276	7,515,463,251	8,249,215,767	7,306,450,386
Northern Hemlock and Hardwood:						
(Hardwood) (33 weeks)	172,409,000	144,207,000	106,526,000	99,521,000	105,676,000	90,695,000
California White and Sugar Pine:						
Total	*642,692,000	589,946,000	634,996,000	452,554,000	561,060,000	481,229,000
Week (11 mills)	16,518,000	16,417,000	14,048,000	12,466,000	11,437,000	10,811,000
General Total for week	247,615,480	214,615,328	239,794,333	202,924,988	254,390,028	243,905,312

*Revised figures not included in general totals. Represents about 77 per cent total production California pine region.

crete slabs, supported upon reinforced concrete beams. Most of the floors are designed for uniform loading of 100 pounds per square foot.

The Portland Cement Association believes it will be the only association of its kind to own its home.

Ocala Lime Rock Company Expanding.

The Ocala Lime Rock Co., Ocala, Fla., has increased its capital stock from \$100,000 to \$250,000 and is adding largely to its plants and operations. Additional rock quarries are to be put in operation and the company's output practically doubled. C. E. Ireland of Birmingham, Ala., becomes the new president of the company. Mr. Ireland has had many years' experience in the quarry business and is one of the principal owners of the Birmingham Slag Co., producer of concrete aggregate and road material. C. G. Rose, the former secretary-treasurer of the company, is now vice-president and general manager, and W. N. Horne, secretary-treasurer. New directors are C. G. Rose, W. N. Horne, both of Ocala; C. E. Ireland and G. C. McCullough of Birmingham, and C. B. Ireland, vice-president and general manager of the Montgomery Gravel Company of Montgomery, Ala.

The Ocala Lime Rock Co. is one of the large quarry operations of the country. It was a pioneer in the lime rock road-material field and is now the largest producer in Florida.

The company has started the erection of another plant, to be known as Plant No. 5, on the Seaboard Railroad about five miles south of Ocala. It is planned to have this new plant in operation within the next 30 days.

To Enlarge Cement Plant at Demopolis.

Plans have been made by the Warrior Cement Corporation of Chattanooga to sell \$750,000 of bonds to retire \$136,000 of outstanding bonds of the Gulf States Portland Cement Co., which has recently been acquired by the Warrior Company, and to increase the capacity of the Gulf States plant at Demopolis, Ala., to approximately 2750 barrels daily. The Warrior Company advises the MANUFACTURERS RECORD that construction work will be handled by the company with the exception of the erection of silo storages, which will later be let to contract. Construction will be under the direct supervision of B. R. Alford, chief engineer.

The principal machinery contracts have already been placed with the Allis-Chalmers Manufacturing Co. of Milwaukee, Wisconsin.

Mine Timber Used Underground.

The Department of Commerce announces that, according to data collected in co-operation with the Departments of Agriculture and the Interior, 174,389,004 cubic feet of round timber and 507,359,000 board feet of sawed timber were used underground in 1923 by 6384 mining establishments. In 1905, the latest year for which comparable statistics are available, 165,535,900 cubic feet of round timber and 435,944,000 board feet of sawed timber were used underground by 5163 mines. Bituminous coal mines consumed 63.6 per cent of the round timber and 44.8 per cent of the sawed timber reported for 1923, anthracite mines ranking next with 23.7 per cent of the round and 13.7 per cent of the sawed timber.

Sale has recently been made of \$6,000,000 6½ per cent gold debenture bonds of the North American Cement Corporation in connection with the proposed consolidation of the Security Cement & Lime Co., Baltimore, and the Helderberg Cement Co., with a plant at Howes Cove, N. Y. Discussing the proposed merger, Loring A. Cover, president of the Security Company, advises that negotiations have not yet been completed, although bonds have been sold.

MECHANICAL

Improved Iron Body Gate Valves.

An entirely new line of iron body gate valves which embody many structural features that will appeal to valve users has recently been put on the market by the Lunkenheimer Company of Cincinnati, Ohio, who are also manufacturers of engineering appliances. They are made in two types, one with stationary stem, inside screw, and the other with rising stem, outside screw and yoke. Either type may be had in the standard pattern for 125 pounds working steam pressure or in the extra heavy pattern for 250 pounds pressure, the total temperature being 450 degrees Fahrenheit, and they are supplied in all standard sizes.

It is noted that the design of the bodies, with ample thicknesses of metal properly distributed and having large fillets, insure a maximum of strength and rigidity to withstand the strains of expansion and contraction. The manufacturers also direct attention to the manner in which the seat rings are held in place. They do not form a joint with the body by the usual means of a small flange on their seating surfaces to prevent the seats from dislodgment when the wedging action between them and the disc takes place, but instead they are solidly backed by the walls of the body, which prevents their becoming loose or being wedged out of place. The ribs, which act as guides for the disc and which are cast integral with the body, are machined, as are also the grooves in the disc which engage the ribs. Side play of the disc is controllable by this finishing process, and consequently the disc does not drag upon the seats nor does it touch them until the valve is fully closed. Therefore, excessive wear and marring of the seating surfaces is prevented.

One of the new features is the provision of two lugs within the yoke arms above the stuffing-box gland, so that when the valve has to be repacked the gland is lifted and slightly turned for the flange to rest on the lugs. This avoids tying up the gland while the stuffing box is being repacked.

For handling cyanides, creosote, alkaline solutions and other fluids which attack bronze, but not iron, an all-iron type of standard pattern is furnished.



ONE OF THE NEW VALVES.

To Purchase Missouri Utilities.

Forest Green, Mo.—Authority has been granted the Kansas City Power & Light Co. by the Public Service Commission to purchase power plants here and at Shannondale, both in Chariton county. This will permit the company to serve intermediate points along a new power line being constructed from its station at Glasgow to Salisbury.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Bridges, Culverts and Viaducts

Ala., Gadsden—Etowah County and City will build bridge across Black Creek on Mineral Ave., city to pay one-third.

Ark., Dardanelle—Yell County contemplates building concrete bridge across Arkansas River at Dardanelle to replace pontoon bridge.

Fla., Deland—Volusia County Commrs. receive bids Sept. 10 for steel drawbridge, with concrete pivot pier and creosoted pile trestle bent approaches and draw-pier fenders and guards over Indian River north at west approach of Flagler Ave. in Coronado Beach; 2 creosoted pile trestle bent bridges, 230 ft. long, 26,000 cu. yds. earth embankment; plans on file; W. P. Wilkinson, Chmn., and N. A. Hotard, Engr., New Smyrna, Fla.

Fla., Fort Pierce—City plans building 4 concrete bridges at Eighth, Ninth, Fourteenth and Fifteenth Sts.

Fla., Hialeah—See Land Development.

Fla., Key West—Monroe County Commrs. will build 3 bridges. See Road and Street Construction.

Fla., Tavares—Lake County, Board of Commrs., receives bids Sept. 7 for steel draw bridge with concrete pivot pier and creosoted pile trestle approaches and rest piers, and fender protection across St. Johns River at Astor, Fla.; plans on file M. V. Simpson, Chmn., and T. C. Smith, County Clk.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 6 bridges: 3 creosoted timber trestle bridge between Rochelle and Umana on Columbia-Cofax Highway, Fox Lumber Co., Lake Arthur, \$15,997.19; Minor Canal Bridge on the Houma-Morgan City Highway, Camelle C. Duplantier, Houma, \$3050.*

La., Harrisonburg—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, plans toll bridge across Ouachita River at Harrisonburg, Catahoula Parish; W. B. Robert, State Highway Engr.

Md., Upper Marlboro—Prince George County Commrs. will build bridges on road from Cedarville to Osborn station, Brandywine district; also plans repairing bridges.

Miss., Macon—Noxubee County, Jno. A. Tyson, Chancery Clk., receives bids Sept. 7 for 3 bridges: No. 2550, iron bridge over Woodward's Creek on Macon and Fairfield Road; No. 2682, concrete floor on steel bridge on Macon and Louisville Road; No. 2184, wooden bridge over ditch on Binon and Skinner Road; No. 2186, brick bridge on the Binon and Skinner Road, near W. E. Skinner's place; No. 2551, wooden bridge over Yellow Creek on Montgomery Road.

Miss., Philadelphia—Neshoba County Board of Suprs. receives bids Sept. 9 for bridge over Ocobla Creek on Sandtown road; R. G. Moore, Chancery Clk.

Mo., Moberly—Randolph County receives bids Sept. 14 for steel bridge 1 mi. north of Moberly-Paris State Highway; plans from County Highway Engr.

Mo., Springfield—Greene County Court plans building bridge over Sac River at Chestnut Ford, 5 mi. north of Ash Grove.

N. C., Greensboro—City receives bids Sept. 22 for 2 underpasses, East Washington St. and Elm-Davis; estimated cost \$400,000; Fellheimer and Wagner, Architects, New York.

N. C., Lexington—Reeves Island Toll Bridge Co., capital \$40,000, incorporated; C. M. Peller, Lexington, Thomas G. Briggs, High Rock; operate toll bridge across the Yadkin River.

N. C., Washington—Beaufort County Comm. receives bids Sept. 7 for bridge over Pantega Creek at Bellhaven.

Okla., Waynoka—City, County and State plan building bridge across Cimarron River on Southwest Trail; estimated cost \$45,000; State to pay \$30,000, County \$10,000 and City \$5000.

South Carolina—State Highway Dept., 1626 Main St., Columbia, receives bids Sept. 1 for bridges: State Project No. S-600, 253 ft. reinforced concrete bridge over Onoree River on Spartanburg-Greenville Road, State Route No. 8, 123,975 lbs. reinforcing steel; Federal Aid Project 252, Santee River bridge and approaches on State Route No. 30, between Clarendon and Orangeburg Counties; plans on file; Samuel McCowan Ch. Highway Commrs.

South Carolina—State Highway Dept., Columbia, let contracts for 2 bridges: Overhead reinforced concrete bridge over tracks of Columbia, Newberry and Laurens and Southern Railway in Newberry, to E. T. Mayer & Son, Newberry; steel and concrete bridge over Crowders Creek in York County, Atlantic Bridge Co., Boxley Bldg., Roanoke, Va., at \$13,400.*

S. C., York—See Road and Street Construction.

Tenn., Chattanooga—Southern Railway, H. B. Herman, Ch. Engr., Washington, D. C., will build Third St. viaduct, \$450,000.

Tex., Anderson—Grimes County, Commrs. Court, receives bids Sept. 14 for furnishing drainage structures on following roads: 5.2 mi. Stoneham-North, 8.5 mi. Stoneham-Red Star, 7.5 mi. K. T. White Hall-Retreat, 7.5 mi. Anderson-Plantersville, 6.1 mi. Anderson-Richards, 10 mi. Anderson-Carlos, 7 mi. Anderson-Piedmont, 4 mi. Anderson-Grimes; plans on file; Oscar A. Seward, Jr., County Engr., Navasota. (See Machinery Wanted—Drainage Structure Material.)*

Tex., La Grange—Fayette County Commrs. receive bids Sept. 1 for bridge across Pin Oak Creek, 537 ft. reinforced concrete girder spans, 50,900 lbs. reinforcing steel, 570 ft. bridge rail; Theo. W. Leufers, Judge; R. E. Schiller, Engr., La Grange.

Tex., San Antonio—Bexar County Commrs. plan improving bridges and roads; will vote Sept. 19 on \$600,000 bond issue.

West Virginia—State Road Comsn. let contracts for 17 bridge projects. Big Sandy Bridge No. 860-1, Kanawha County, steel superstructure, E. R. Mills, Newport, Ky., \$16,873; Cooper's Creek Bridge No. 1109, Kanawha County, concrete substructure, Hatfield Construction Co., Deegan-Noonan Bldg., Huntington, \$14,853.75; Little Sandy Bridge, No. 914, Kanawha County, reinforced concrete substructure and steel substructure, Hatfield Construction, Huntington, \$17,594.50.

Sycamore Bridge No. 952, Jackson County, concrete deck girder, Hardman & Minns, Spencer, \$21,658.85; West Creek Bridge No. 1001, Mason County, concrete deck girder, Steen, McAlpin & Co., Point Pleasant, \$9201.60; Bridgeport Bridge, No. 837, over Simpson Creek in Harrison County, concrete substructure, Preston Construction Co., Kingwood, \$8038.20, steel substructure, Vincennes Bridge Co., Vincennes, Ind., \$9843.

Moorefield Bridge, No. 739, Hardy County, steel superstructure repairs to substructure, E. R. Mills, Newport, Ky., \$14,420.75; East Rainell Bridge, No. 901, Greenbrier County, concrete deck girder, Clark & Lewis, Luray, Va., \$16,713.00; Madison Bridge, No. 654, Boone County, concrete substructure and steel superstructure, substructure, Hardman & Minns, Spencer, \$15,748; superstructure, Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, \$27,670.

West Landgraff Bridge, No. 723, McDowell County, concrete substructure, J. L. Janutolo & Co., Fayetteville, \$5687; steel superstruc-

ture, Vincennes Bridge Co., \$13,123; Cairo Bridge, No. 839, Ritchie County, reinforced concrete substructure, Hardman & Minns, Spencer, \$12,153.50; steel superstructure, Vincennes Bridge Co., Vincennes, Ind., \$21,452.

French Creek Bridge, No. 993, Upshur County, concrete substructure, Smallbridge Bros. & Co., French Creek, \$8312; steel superstructure, Vincennes Bridge Co., \$5355; Mill Race Bridge, Tucker County, concrete arch, O. A. Quisen, Buckhannon, \$10,857.95.

Upper Spring Creek Bridge, No. 715, Roane County, concrete deck girder, Hardman & Minns, \$17,664.65; Beverly Bridge, No. 974, Randolph County, concrete substructure, Phil Williams, Elkins, \$3240; steel superstructure, Vincennes Bridge Co., \$5481; Camp Creek Bridge, No. 1000, Mercer County, concrete arch, Woolfork & McJannette, Princeton, \$13,447.20.*

W. Va., Fairmont—Marion County Court will award contract soon for 60-ft. span bridge over Paw Paw Creek at Morris Sidling; also plans grading ½ mi. road. Address County Commrs.

W. Va., Mannington—City, Charles L. Snodgrass, Mayor, receives bids Sept. 10 for 2 reinforced concrete bridges across Pyles Fork on Buffalo St. and across Buffalo Creek on Clarksburg St.; plans on file; R. E. Mockler, City Clk., and The Concrete Steel Engineering Co., Park Row Bldg., New York.

Canning and Packing Plants

Fla., Lake Wales—Hills Brothers, 375 Washington St., New York, let contract to Jesse H. Shelton for grapefruit canning factory; cost \$25,000; main building 80x150 ft., three sheds 20 ft. wide, frame and reinforced concrete.*

Fla., Wauchula—Wauchula Canning Co. is being organized by Dr. A. L. Kreutzer.

Clayworking Plants

Tenn., Cookeville—Hensley-Stone Brick Co., incorporated; W. A. Hensley, D. H. Harley.

Concrete and Cement Plants

Md., Baltimore—Security Cement & Lime Co., main office Baltimore, with plants at Hagerstown, Md., and Berkeley, W. Va., acquired by North American Cement Corp., incorporated under laws of Delaware; Frederick W. Kelly of Helderberg Cement Co., with plant at Howes Cove, N. Y., also taken over, will be Pres.; Loring A. Cover, Pres. of Security Cement & Lime Co., will be Vice-Pres.; will sell \$6,000,000 sinking fund debenture bonds.

Coal Mines and Coke Ovens

Ky., Madisonville—Hawley, McIsaacs Coal Co., reported, acquired 10,000 acres coal land in Western Kentucky; will develop.

Tenn., Dayton—Cumberland Coal & Iron Co., 149 Broadway, A. M. Wicksire, Pres., New York, reported, contemplates expansion program, reopen mines, etc.

W. Va., Charleston—Kanawha & Hocking Coal & Coke Co., reported, taken over lease and equipment of Marmet-Oliver Coal Co., Pearson Bldg.; will operate.

W. Va., Charleston—Coalberg Collieries Co., capital \$25,000, incorporated; F. L. Thomas, 12624 Kan St.

W. Va., Clarksburg—War Ridge Smokeless Coal Co., capital \$100,000, incorporated; Geo. L. Duncan, 141 E. Main St.

W. Va., Fairmont—Gilbert-Davis Coal Co. will build tippie at mine No. 2 in Scott's Run.

W. Va., Hartland—Betty Ann Block Coal Co., incorporated; E. M. Cox, 314 Jefferson St., Charleston.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned

W. Va., Weirton—See Iron and Steel Plants.

Concrete and Cement Plants

Ala., Demopolis—Warrior Cement Corp., A. C. Deer, Pres., 705 Battle Place, Chattanooga, Tenn., operating plant at Spocarl, near Demopolis; will sell \$750,000 bonds; plans increasing capacity of plant to approximately 2750 bbls. daily. Company advises: Principal machinery awarded Allis-Chalmers Manufacturing Co., Milwaukee, Wis.; construction will be handled by company except erection of silo storage, which will be let out later by contract; construction work under supervision of B. H. Alford, Chf. Engr.*

Tex., Austin—Austin Cement Manufacturing Co., capital \$20,000, incorporated; W. S. Brown, 710 W. 21st St.

Cotton Compress and Gins

Ala., Decatur—Decatur Compress Co. let contract to Chicago Bridge and Iron Works, Healey Bldg., Atlanta, Ga., for 100,000-gal. water reservoir.*

Miss., Bude—J. J. Newman and Max Shift will erect cotton compress; install three 70 saw Gullett stands, hydraulic press.

Miss., Vicksburg—Cowan Cotton Co., capital \$10,000, incorporated; P. A. Cowan, Cherry St.

Tex., Galveston—Gulf Cotton Co., 1609 A St., Charles Groat, Pres.-Mgr., will install five cotton gins.

Tex., Lake View—Lake View Gin Co., capital \$9000, incorporated; J. B. Castleberry, W. H. Richardson.

Tex., O'Donnell—Henderson-Boone Gin Co., capital \$24,000, incorporated; R. L. Henderson, J. B. Boone.

Tex., Olton—Fuller Gin Co., capital \$9000, incorporated; J. E. Fuller, W. H. Richardson.

Tex., Welasco—Adams Tract Gin Co., incorporated; Geo. Carter, E. L. Etter.

Cottonseed-Oil Mills

N. C., Dunn—Carolina Cotton Oil Co., capital \$100,000, incorporated; W. F. Marsh, Hayes Barton St., Raleigh.

Drainage, Dredging and Irrigation

Fla., Leesburg—Florida Engineering & Dredging Co., southern division of the Minneapolis Dredging Co., Wiley-Coulson Bldg., have begun work on municipal water front development project along Lake Harris.*

Fla., Miami—The North Venetian Islands Co. contemplates building bulkhead to fill in portion of bay at Old Collins bridge; also Normandy Beach Properties build bulkhead to reclaim portion of Biscayne Bay at Normandy Isle.

Fla., Miami—Clark Dredging Co., 1104 N. Miami Ave., has begun dredging work, which includes 8,000,000 cu. yds. material to be moved from bay bottom to lowland shore of the Miami Shores property; development will have approximately 5½ mi. frontage on Biscayne Bay.*

Fla., Sarasota—McWilliams Dredging Co., Exchange Bldg., Memphis, Tenn., has contract for dredging and filling, including completion of canal in Longbeach.

Fla., Titusville—Tatum Brothers, 200 E. Flagler St., Miami, let first contracts for the development of property in Titusville, Riviera Shores on the Indian River; to Ely Dredging & Construction Co., Clark Bldg., Jacksonville, for 1,250,000 yds. fill, also 1 mi. bulkheading; to C. S. Lucas of Cocoa, for 300,000 yds. of fill; contract for other improvements amounting to \$750,000 will be awarded within 30 days.

La., Baton Rouge—Canal—Louisiana Highway Comsn., W. E. Atkinson, Chrmn., receives bids Aug. 28 for fire protection canal; W. B. Robert, State Highway Engr. (See Machinery Wanted—Canal.)

La., Talullah—Fifth Louisiana Levee Dist. Comms., F. H. Schneider, Pres., let contract for clearing levees in four parishes, also authorized additional finances for further emergency levee work.

Tex., Brownsville—Cameron County, Oscar C. Dancy, Judge, voted \$1,500,000 bonds for flood prevention control.*

Tex., Crystal City—Zavalla-Dimmitt County Water Improvement Dist. No. 1 applied for permit to build concrete dam 200 ft. long, 50 ft. high, impound sufficient water to irrigate 7500 acres; dam to be operated in conjunction with Tom Coleman dam; will then

provide water to irrigate about 1200 acres; C. B. Jowers, Engr.*

Tex., Edinburg—Hidalgo County Comms. receive bids Sept. 22 for flood control work; P. S. Devine, Engr., Pharr, Tex. (See Machinery Wanted—Flood Control.)*

Tex., El Paso—R. B. Kimbrough, 1401 Magoffin St., interested in building levees to irrigate 900 acres land; estimated cost \$40,000.

Tex., Mercedes—B. F. Williams, State Reclamation Engr., interested in construction of levee along American side of Rio Grande River, about 150 mi., levee to be from 10 to 25 ft.

Electric Light and Power

Fla., Brooksville—City Council will expend \$14,000 for white way.

Fla., Deland—See Land Development.

Fla., Haines City—City Comms. have tentative plans to establish white way around lake.

Fla., Kissimmee—See Land Development.

Fla., Lake Wales—See Land Development.

Fla., Manatee—City contemplates installing white way from Manatee Ave. to city line at Bradenton; Chas. J. Majory, City Clk.

Fla., Miami—See Land Development.

Fla., Miami—V. S. Maxwell, Sec. Miami Motor Club, 30 S. E. Second Ave., interested in 30 mi. white way on Federal Highway entering Dade County at Fulford and running through Miami on to Silver Bluff South.

Fla., Miami—H. H. Hyman, Mgr. Miami Electric Light & Power Co., 41-47 W. Flagler St., reported expending over \$4,000,000 for improvements and additions to local plant.

Fla., Orlando—See Land Development.

Fla., Oviedo—Public Service Co. will extend transmission lines from Longwood to Oviedo.

Fla., Palmetto—City Council let contract to Florida Electric Supply Co., Union Terminal Bldg., Jacksonville, for ornamental light posts; also contract to Scott Electric Co., Palmetto, for installation street lights.

Fla., Punta Gorda—City will vote on \$150,000 bonds to construct electric plant and city hall. Address City Clerk.

Fla., Tavares—Florida Public Service Co. has contract with city for installation of white way system extending on Irma St. from Barrow Ave. to Disston Ave., consisting of 44 lamps, standards, ornamental steel, opalite globes; initial cost of system \$11,000; will probably extend lighting system to residential streets.

Fla., Vero Beach—City let contract to Erler Corp., 12th and Whiting Sts., Tampa, for \$50,000 municipal electric plant; equipment \$75,000, 55x28 ft., concrete, brick and steel, concrete floors and roof; F. J. Kennard & Son, Archts., Krause Bldg., Tampa.*

Fla., Haines City—See Land Development.

Ga., Columbus—Columbus Electric and Power Co., 1151 Broad, L. H. Crowell, Asst. Treas., applied for authority to issue \$571,000 par value second preferred and \$1,750,000 par value common stock to provide funds on development Bartlett's Ferry, transmission line to Macon, etc.*

Ky., Carrollton—Kentucky Power Co., Barretts Waters, Mgr., Augusta, Ky., will erect brick addition to plant; metal roof, cement floors; Combustion Engineering Corp., 43 Broad St., New York City., contract for stokers.

Miss., Hattiesburg—See Land Development.

Miss., Gulfport—Mississippi Power Co., Barney E. Eaton, Pres., sold \$4,000,000 bonds to meet increase demands for service; applied Federal Power Comsn., Washington, for power to construct dam on Tennessee River in northwest Mississippi near mouth of Bear Creek; 50 ft. high, one mi. long, capacity 240,000 h. p.; will introduce power at Inka, at or near Columbus, at Meridian, at or near Moss Point and Pascagoula. Company is subsidiary of Southeastern Power & Light Co., Birmingham, Ala., and will supply 20 cities and towns in eastern half of state from gulf coast to Tennessee border.

Miss., Meridian—Mississippi Power Co., Gulfport, B. E. Eaton, Pres., let contract to Dixie Construction Co., Birmingham Bldg., Birmingham, for high-tension power transmission line from Meridian to Demopolis and from Meridian to Hattiesburg; construction to begin in Sept.

Mo., Hartsville—City plans to complete municipal light plant; election Sept. 8 on bonds. Address City Clerk.

Mo., Kansas City—Kansas City Power & Light Co., 912 S. W. Blvd., authorized by Public Service Comsn. to purchase power

plants at Shannondale and Forest Green, both in Charlton county.

Mo., Boonville—Missouri Power and Light Co., Illinois Merchants Bank Bldg., Chicago, Ill., will soon begin construction pump house.

Mo., Puxico—See Flour, Feed and Meal Mills.

N. C., Durham—North Carolina Public Service Co., Greensboro, N. C., will construct line to Effand.

N. C., Thomasville—Southern Public Utilities Co., Charlotte, N. C., authorized extension electric power line.

Tenn., Chapel Hill—Southern Cities Power Co., Volunteer Life Bldg., Chattanooga, will extend electric power line to Chapel Hill.

Tenn., Chattanooga—Chestnut Street Improvement Assn. will construct white way on Chestnut St. extending from Ninth to Sixth St. down Sixth to Market and from Chestnut to Pine on Seventh St.; Terrell Electric Co., 73 Cherry St., has contract.

Tenn., Clarksville—See Miscellaneous Enterprises.

Tenn., Humboldt—Chamber of Commerce and Rotary Club promoting erection white way from Union passenger station, through 12th Ave. and extending on Main St.

Tenn., Knoxville—Knoxville Power & Light Co., Church St., completed survey for transfer overhead conduits to underground system.

Tenn., Lenoir City—Tennessee Electric Power Co., Chattanooga, will build \$22,000 electric line along Kingston Pike from Lenoir City to Ten Mile Creek.

Tex., Cuero—Middle West Utilities Co., Frost Bldg., San Antonio, according to announcement by A. B. Sawyer, Dist. Mgr., will build dam at Heard's Bridge and install power plant; company now completing \$125,000 improvement, Gonzales.

Tex., Gonzales—See Ice and Cold Storage Plants.

Tex., Mineral Wells—Mineral Wells Electric Co. and Crystal Ice Co., Weatherford, consolidated with Texas Power and Light Co., W. B. Head, Pres., Interurban Bldg., Dallas, making Mineral Wells center of district created; construct high tension line from plant near Eastland through Mineral Wells to Weatherford and Fort Worth; also another line from Mineral Wells to Jacksboro and on through Graham, Newcastle, Olney and Wichita Falls.

Tex., Victoria—Middle West Utilities Co., Frost Bldg., San Antonio, engaged D. G. Reid and B. Schroeder, Chicago, Ill., to assist in preparing plans for Company's steam generating power plant; cost \$500,000.

Va., Harrisonburg—Virginia Western Power Co., reported has survey for improvements costing \$130,000, including \$90,000 for 1000-h. p. steam unit, \$30,000 for hydro-plant and \$10,000 for partial rebuilding distribution system; work approved by City Council.

Va., Harrisonburg—Shenandoah River Power Co., Inc., Whiting C. Faulkner, Edmund M. Preston, Virginia Railway & Power Co., both Richmond, reported to have taken over plants of Weyers Cave Light & Power Co., Valley Light & Power Co. of Woodstock; F. A. Shank, Timberville, and T. A. Andrick Co., New Market, supplying communities in Augusta, Rockingham and Shenandoah Counties; merged properties said to be operated by Ives & Davidson, Engrs., 15 Park Row, New York City, and financed by Battles & Co., 131 S. Fifth St., Philadelphia.

Va., Roanoke—Roanoke River Power Co. of Richmond, capital \$25,000; H. G. Buchanan, H. S. Lloyd.

Va., South Boston—Halifax Power Co., in which Ira Vaughan, 240 W. Susquehanna St., Philadelphia, Pa., is interested, will acquire plants at Emporia, Victoria, Chase City, Blackstone, Brookneal, etc., to be supplied from two central plants to be built on Staunton River at Brookneal; will interconnect with lines of Virginia Rwy. & Power Co.; R. T. Long, South Boston, interested.*

W. Va., Huntington—Frank B. Lawton, Gen. Supt. Consolidated Light, Heat & Power Co., subsidiary of American Gas & Electric Co., announces improvement program: Connection of power lines from Philo Station of American Gas & Electric Co., near Zanesville, Ohio, with lines of Consolidated Co. at Kenova, installation new coal-handling machinery, improvements generators and other work to cost about \$300,000.

Flour, Feed and Meal Mills

Ark., Berryville—North Arkansas Milling Co., capital \$35,000, incorporated; W. D. Wilton, C. T. Denney.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Mo., Kansas City—Washburn-Crosby Milling Co., 1010 N. Y. Life Bldg., E. P. Mitchell, Mgr., local branch, reported, erect 6000-bbl. mill in East Bottoms.

Mo., Puxico—Puxico Flour Mill granted franchise for power plant and water works; cost \$150,000; also erect ice plant, power to be supplied by 600 h.p. generator.

Tenn., Nashville—Rutherford Milling Co., capital \$12,000, incorporated; Broeck Cummings, D. J. Rion.

Foundry and Machine Plants

Ala., Bessemer—J. O. Heinze Cultivating Tractor Corp., J. O. Heinze, Bessemer Trust & Savings Bank Bldg., propose building plant for manufacture of tractors.*

Fla., Haines City—Packing House Accessories—Skinner Machinery Co., of Dunedin, Fla., reported acquired site, will move plant from Dunedin.

Mo., Kansas City—Columbian Steel Tank Co., A. A. Kramer, owner, W. Twelfth St., completed first unit of building program; will erect second unit on adjoining property.*

Okla., Enid—Miller Boiler & Tank Co., T. L. Miller, Pres., 711 E. Elm St., erecting 75x150 ft. steel frame building, corrugated roof and sides, earth floor; construction by owners; install equipment to manufacture tanks, refinery and oil field equipment. (See Machinery Wanted—Foundry Equipment; Steel and Steel Shapes, etc.)*

Okla., Tulsa—Kirby Cushion Steel Railroad Tie Co., capital \$2,500,000, incorporated; O. S. Gage, 229 N. Maybelle St.

S. C., Chester—Baldwin Tool Works, Parkersburg, W. Va., will establish plant; machinery all purchased; L. E. Wilson, 1711 Spring St., Parkersburg, W. Va., in charge of construction.

Gas and Oil Enterprises

Ark., El Dorado—Smackover Treated Fuel Oil Co., capital \$100,000, incorporated; H. B. May, John Bruce Cox.

Ark., Norphlet—Norphlet Gas & Water Co., capital \$25,000, incorporated; M. A. Bush, J. K. Mahoney.

Fla., Jacksonville—Sinclair Refining Co., Floral Bluff, let contract at \$40,000 to Chicago Bridge and Iron Works, 1045 Healey Bldg., Atlanta, for seven steel storage tanks, Tallard St. between Deer Creek and Marshall St.; also construct six metal clad buildings, east of Talleyrand Ave.; cost \$17,500.

La., Baton Rouge—Noble Oil Co., Inc., capital \$6000, chartered; Jas. P. Noble, Dr. J. Arthur Coleman.

La., Pineville—City votes Aug. 27 on \$25,000 bonds for gas distribution plant. Address City Clk.

Mo., Clayton—Willman Oil Co., capital \$10,000, incorporated; Henry H. Willman, 7737 Carondelet St.

Okla., Oklahoma City—Maxine Petroleum Co. increased capital, \$50,000 to \$100,000.

Okla., Oklahoma City—Senior Petroleum Co., capital \$10,000, incorporated; R. S. Randsen, Braniff St.

Okla., Blackwell—Hag Oil Co., capital \$100,000, incorporated; P. A. Enlows, H. C. McIntire.

Tenn., Cookeville—Stoll Oil & Refining Co. has contract for oil pipe line from Tinsley's Bottom in Clay county to Windle, distance of 20 mi.

Tex., Dallas—Latex Gas Co., capital \$25,000, incorporated; J. W. Hassell, Magnolia Bldg.

Tex., Marshall—Waters Oil Corp., St. Louis, Mo., E. B. Whitlock, Gen. Mgr., purchased Elysian Fields refinery; install pipe line from company's oil fields, located near Deberry, to refining plant.

Va., Portsmouth—Texas Co., 1135 Henry St., has plans for \$17,000 storage warehouse at George Washington Highway and Belt Line R. R.; also plans erecting storage warehouse and tanks in Norfolk County; estimated cost \$57,430.*

Va., Portsmouth—American Oil Co., Broad Creek Road, will erect five tanks of 20,000 gal. capacity each at County and Romanesque Sts.; also erect retail filling station; estimated cost \$40,000.*

Va., Richmond—Construction Supply Co., N. Boulevard, has permit to erect gasoline storage tank; 15,000-gal. capacity.

W. Va., Clarksburg—Norbell Oil & Gas Co., capital \$10,000, incorporated; H. H. Weekley, 104 Hartland St.

W. Va., Madison—Hickman Producing Co., capital \$50,000, incorporated; E. R. Cameron, 705 Virginia St., Charleston.

Tex., Wichita Falls—Dale Oil & Refining

Co., capital \$150,000, incorporated; J. E. Dale, 1817 Huff Ave.

Ice and Cold-Storage Plants

Ala., Tuscaloosa—The Pure-Process Ice Makers, reported, erect plant.

Ark., Little Rock—Citizens Ice & Cold Storage Co., Sixth and Thomas Sts., J. H. Ford, Local Supt., Second and Byrd Sts., will remodel and improve plant, install equipment; also erect complete cold storage warehouse.

Fla., Fort Pierce—St. Lucie Ice Co., E. Whyte, Pres., will erect \$15,000 ice plant adjoining present structure; increasing output.

Fla., Miami—Swift & Co., 50 N. W. 11th St., has permit for installation of refrigeration system at packing house, estimated cost \$16,000.

Ga., Rome—The Fruit Co., W. B. Broach, will expend \$25,000 on enlarging cold storage plant.

Ga., Savannah—Georgia Ice Co., 431 Harmon St., Albert M. Dixon, Pres., has plans for installation of 60-ton ice plant at factory site; also build three ice storage houses in different parts of city; Louis C. Roedel, Chief Engr. of Company.

La., Abbeville—Paul C. Dodge, 10 S. La Salle St., Chicago, Ill., acquired Home Ice Plant, will remodel and operate.

Miss., Jackson—Morris Ice Co., capital \$73,000, incorporated; J. H. Morris, 505 N. State St., M. Buie.

Mo., Puxico—See Flour, Feed and Meal Mills.

N. C., Shelby—J. L. Taylor of Rutherfordton acquired controlling interest in Shelby Ice & Fuel Co. on W. Marion St.; will remodel; will add ice cream department with daily capacity of 1500 gals.

S. C., Blacksburg—Blacksburg Ice & Fuel Co., incorporated; J. H. McMurray, Jr., Pres.; Geo. F. Cash, Mgr.

Tex., Corpus Christi—Middle West Utilities Co., reported, erect 60-ton ice plant and additional ice storage vault.

Tex., Gonzales—Middle West Utilities Co., John B. Martin, Mgr., Frost Bldg., San Antonio, will rebuild dam, construct new powerhouse, filter plant and 30-ton ice plant in connection with power-plant; brick and reinforced construction; M. J. Mozart, Engr.

Tex., Kingsville—Middle West Utilities Co., reported, will erect 50-ton ice plant and 1000-ton ice storage vault.

Tex., Lubbock—W. A. Burnett representing Swift & Co., Union Stock Yards, Chicago, Ill., let contract for 2-story brick building and refrigeration plant on Avenue H.

Tex., Sinton—J. W. Benson & Son has new plant; daily output 6 tons; installed Frick refrigerating machinery and insulating equipment, furnished by San Antonio Machine & Supply Co., 325 N. Centre St.*

Iron and Steel Plants

Ky., Ashland—C. E. Coon, Sec., Chamber of Commerce, negotiating with company to establish tin plate plant.

W. Va., Weirton—Weirton Steel Co., J. C. Williams, V.-P.-Gen. Mgr., reported, announced plans for \$10,000,000 four-year expansion program. Includes loading and unloading docks on river front; 45 by-product coke ovens, 800-ton blast furnace, enlarging open hearth dept., erection new tube mill, addition sheet mills, railway trackage, storage yards, additional housing facilities.*

Land Development

Ala., Birmingham—City, R. S. Marshall, Supt. Parks, will develop 50-acre site for golf course; cost \$15,000; work by park force. (See Machinery Wanted—Golf Equipment, etc.)*

Ala., Montgomery—J. M. Garrett, Bell Bldg., purchased 145-acre tract on Washington road and will develop for residential and industrial sites.

Ark., Little Rock—H. H. Conley, 2615 Broadway, and associates purchased 51-acre tract known as Cliffwood Hill and will develop for residential sites; lay gas, water and sewer mains.

Florida—S. J. Brown, 1300 Rialto Bldg., Kansas City, Mo., acquired 4300 acre site on Lake Okahumpha, Lake County; will develop.

Florida—W. T. Harrison, Clearwater, purchased 1350-acre tract which includes Newport Springs on St. Marks River, Wakulla county; will develop.

Fla., Archer—C. D. Shaman, Los Angeles, Cal., and Willard Livingston, 1346 Mathews Ave., Cleveland, purchased 5000 acres in

Alachua County and will develop for residence sites near here.

Fla., Boca Raton—Mizner Development Corp., Addison Mizner, Pres., Palm Beach, program includes: in plat Nos. 1 and 2, street improvements, cost \$380,000; water-works, \$52,000; sewage system, \$90,000; disposal system, \$3000; clearing, \$26,000; plat No. 3, clearing, \$40,000; plat No. 6, water system, \$25,000; golf courses, \$134,000; plat No. 4, work same as plats Nos. 1 and 2 with exception water system costing \$23,000 and clearing \$7000; golf course, \$141,000; other improvements are dredging lakes and canal at cost \$148,000; sea wall, \$148,000; administration building, \$50,000, and \$6,000,000 Cloister Inn.*

Fla., Bradenton—Mayor Whitney Curry, O. D. Groff and associates form syndicate to purchase 120 acres land at Manatee Ave. and Bradenton Beach Blvd.; will develop.

Fla., Bradenton—Edward C. Wolfe, Chicago, and associates acquired several acres land in Manatee County; will develop.

Fla., Buchanan—R. V. Goulet, St. Petersburg, John O'Hara, Danbury, Conn., purchased 1100-acre tract in Hardee county known as Buchanan estates; will develop.

Fla., Coral Gables—Jane Rosenstein, New York, acquired 400-acre tract near Coral Gables for subdivision purposes.

Fla., Cocoa—Crest Realty Co., Knox Hotel, organized; F. Nelson Bourne, Fred L. Adams.

Fla., Daytona—Daytona Park Development Co., C. L. Dodge, Pres., reported, expend \$1,000,000 in development Daytona Park for subdivision.

Fla., Deland—W. J. Sessinghaus, A. W. Mitchell, Erie, Pa., and associates have acquired 80 acres in north east section; will develop; lay streets, sidewalks, electric lights telephone and water system.

Fla., Fort Lauderdale—Muscle Shoals Land Corp., H. B. Danby, G. W. Templemayr, 136 Pilgrim St., Detroit, Mich., purchased tract north of Fort Lauderdale for subdivision.

Fla., Fort Myers—Fort Myers Development Corp., Irving Walker, Pres., Jacksonville, and 65 Nassau St., New York, purchased 24,000-acre site along Pine Island Road between Calooshatche and Malacca Pass.

Fla., Gotha—Arthur F. Landstret and B. F. Floyd, 539 E. Robinson St., Orlando, acquired 180 land of which 150 acres in orange grove; will develop.

Fla., Haines City—Gulledge Lumber Co., R. E. Gulledge, Pres., will develop 20 acre tract for new town of Gulledge to include erection 85 dwellings, installation electric system, sewers, water works, road and streets, etc.; cost \$250,000; W. E. Jones Constr. Engr., Landscape Archt., Kissimmee.*

Fla., Hialeah—W. W. Bowman Engineering Co., 501 N. E. First Ave., Miami, will develop Venetian Gardens, in Hialeah and Opa-Locka Dist.; divide 320 acres into islands by three mi. fresh water canals, connected with 15 Venetian bridges.

Fla., Key West—M. M. Borchardt acquired island known as Newfound Harbor; will develop for subdivision; estimated cost \$250,000.

Fla., Kissimmee—Minkus Realty Co., Miami, purchased Idora Park of 68 acres; will develop for residential subdivision; install water and city lights, let contracts for streets and sidewalks.

Fla., Largo—See Water Works.

Fla., Lake Wales—Lake Pierce Estates, Inc., V. E. Bolyard, V. P., 418 N. Capital Ave., Indianapolis, Ind., will develop 2200 acres for subdivision; private park, homes and playground, streets, pier, golf courses, etc.; install water, sewers, electric lights; clubhouse under construction; cost about \$3,000,000; H. S. Pratt, Archt., 110 Tremont St., Boston, Mass.; John J. Watson, Landscape Archt., Lake Wales; J. B. Robinson, Constr. Engr., Lake Wales.*

Fla., Mascotte—E. J. Trimbey, New York, acquired 4000-acre tract with 5 mi. frontage on state highway No. 2, north of Mascotte, Lake County.

Fla., Melbourne—Walter T. Porter, developer of Pinchurst Gardens, acquired Elton Hall Gardens near Melbourne and Eau Gallie; will develop; will probably be known as Pinchurst Gardens; reported planning \$2,000,000 bond issue for improvement and development of property.

Fla., Miami—Marcus A. Milam, 405 S. W. 11th Ave., Jas. Gilman and others syndicate to finance \$1,000,000 dairy, fruit and truck garden project of 3200 acres of land in Everglades near Pennsylvania Sugar plantation; divide into 40-acre tracts surrounded by dykes and sewers; erect 10,000 dwellings.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Miami—Long Beach Co., Congress Bldg., James Macfaydean, Pres., purchased 15-acre tract, Grapeland Blvd. and 36th St., and will develop for subdivision.

Fla., Miami—Miami Real Estate & Building Co., 38 N. E. Second Ave., purchased 200-acre site on Merritt's Island for development purposes.

Fla., Miami—Warden Hamilton Co., has contract for clearing second addition of Irons Manor development consisting of 120 acres; V. W. Langford, contract for cement sidewalk which will be 5-ft. wide on streets and avenues and 10½ ft. wide length Dixie Highway; Cement Post Co., ornamental street lights.

Fla., Miami—Knickerbocker Realty Corp., Louis Karasik, Miami, and New York, acquired Central Park property; will develop.

Fla., Miami—C. Dan Wallace, Inc., capital \$2,000,000, chartered; C. Dan Wallace, H. Hoffman, 184 N. W. 34th St.; organized to develop and subdivide; also plans building street railways connecting car lines from Miami giving connection to Silver Bluff and Coconut Grove, also connecting with proposed line to Coral Gables and Coral Way.

Fla., Orlando—Highlands Development Co., Newport Estes of Orland Better Homes Corp.; Edward Bialla, Long Island, New York, purchased 160-acre tract and will develop for subdivision to be known as Orlando Highlands; provide streets, electric lights, water and sewers; erect 10,000 dwellings.

Fla., Orlando—Carl Dann Realty Co., San Juan Hotel Bldg., co-operating with \$1,000,000 corporation chartered with Wm. Edwards, Pres., 425 Anderson St.; I. W. Phillips, Treas., will develop 5000-acre tract between Mount Dora and Sanford for five 18-hole golf courses radiating from central clubhouse of 50 sleeping rooms; provide water, lights, avenues, etc.

Fla., Palm Beach—Jerome Cherbino, Pres., Jerome Cherbino Organization, 1130 Fifth St., Miami Beach, reported acquired 13,000 ft. ocean frontage, will develop, build hotel, golf course, yacht basin, roads, etc.

Fla., Palmetto—A. A. Gernain and L. Gernain purchased tract land east of Palmetto; will spend \$100,000 for developing subdivision.

Fla., Pensacola—See Sewer Construction.

Fla., Sarasota—G. F. Young, Engr., 2963 Second Ave., St. Petersburg, is making surveys for local capitalists on 212-acre tract on Longboat Key to be known as Sarasota Shores; build 20-acre island in Buttonwood harbor surrounded by canal, also build dock in Buttonhead harbor and landing place for hydro-planes.

Fla., Sebring—S. R. Hart and Dr. R. D. Newton will develop Highland Towers, 60-acre subdivision; install lights, water, pave, etc.; Joe W. Hawkins, Engr.-Landscape Archt.

Fla., St. Augustine—See Miscellaneous Construction.

Fla., St. Augustine—James Realty Co., Jas. H. Prentiss, Pres., acquired tract extending along water front north of St. Augustine toward Jacksonville Beach; will improve for sub division, erect business buildings and dwellings.

Fla., St. Petersburg—Florida Garden Land Co., A. D. Powers, Pres., 6 Fourth St., south, is developing 7000-acre tract in Sumter county; cost \$20,000.*

Fla., St. Petersburg—Syndicate composed of J. B. Thomas, C. J. Williams, 78 First Ave., N., and others purchased 247 acres between 28th St. and 34th Ave.; will develop for residential sites, tourist camp, etc.; provide gas, water and electric light service, streets and sidewalks.

Fla., Sarasota—Brotherhood of Locomotive Engineers will establish town; site purchased by L. C. Griffin, 5206 Bridge Ave., Cleveland, of Brotherhood Investment Co.; establish sanatorium and home for retired locomotive engineers; John Nolan, Cambridge, Mass., City Planner, and J. G. Kimmel, Sarasota, engaged as engs.*

Fla., Sebring—L. B. Taylor, Tampa, of Lakeview Corp., developing Woodlawn Terrace subdivision.

Fla., Stuart—K. B. Crist and N. E. Knudson, of West Palm Beach, purchased tract at Rio; will develop.

Fla., Titusville—See Drainage, Dredging and Irrigation.

Fla., Yelverton—R. E. Neck, E. R. Conway and T. A. Compton, all Palatka, purchased 100-acre tract and plan to develop.

Fla., Williston—H. E. Gibbs, Mgr., Atlas Realty Co., St. Petersburg, purchased 160 acres subdivision for Lansing Michigan interests; pave streets and sidewalks.

Fla., Winter Haven—Taylor-Alexander Properties, capital \$3,000,000, incorporated; R. B. McMillen.*

Ga., Millen—Millen Development Co., capital \$16,000; will develop 25-acre subdivision; erect 20 bungalows; W. E. Alwood, Dr. Cleveland Thompson and W. R. Turner, interested.

Ga., Tifton—Southern Land Co., capital \$10,000, organized; R. Eve, Pres.; E. P. Bowen, Sec.-Treas.

Ky., Louisville—C. Robt. Peter & Co., Realty Bldg., purchased 30½ acres east side Cannon's Lane, south of Lexington Road; will develop for subdivision; also develop following: 36½ acre tract at Bernhealm Land and 18th St.; Broadmead subdivision between Taylorsville Road and Cherokee Park at Woodbourne Ave. on what will be known as Meadow Road.

La., Baton Rouge—W. F. Gladney, Prop. Gladney's Print Shop, 438 Florida St., does not contemplate development of 24-acre subdivision at present, as lately reported.*

La., Marksville—Farm and Realty, Inc., capital \$6500, chartered; C. G. Snoddy, F. F. Chatelain.

La., New Orleans—Point Realty Co., Inc., capital \$50,000, chartered; Harry Hardie, 6333 Prytania St.

La., New Orleans—Ridgeway Terrace Realty Co., W. J. Kross, Pres., 636 Nashville St., purchased 180 acres in Metairie Ridge; will develop.

Md., Randallstown—J. B. Mellor, of Ashburton Realty Co., Fidelity Bldg., Baltimore, acquired 150-acre tract on Liberty Road known as Brandon Manor; will develop.

Miss., Gulfport—Edgewater Gulf Development Co., A. L. Jagoe, Treas., will develop 700-acre tract between Gulfport and Biloxi, and extending north from Gulf of Mexico to Bay of Biloxi, for residential subdivision; work to include construction number dwellings, paving streets, wiring, laying water mains, sewers, etc.; project in conjunction with development Edgewater Gulf Hotel Co., organized by Wm. H. Dewey, Mgr. Edgewater Beach Hotel, Chicago, and associates, which agrees to construct 400-room, fireproof resort hotel and 18-hole golf course; J. W. Billingsley, Interstate Bank Bldg., New Orleans, La., Const. Engr. for both Hotel Co. and Development Co.

Miss., Hattiesburg—Park Haven Assn., Sennett Connor, Pres., purchased 80-acre tract left of Hardy St. and will develop for subdivision; construct streets, install lights, sewer, water.*

Md., Hagerstown—Park Board will convert Hager Hill site of five acres into park and playground.

Mo., St. Louis—Ponce Realty Co., capital \$50,000, incorporated; Edw. L. Kuhs, 2831 N. Grand Ave.

Mo., St. Louis—Grand-Miami Corp., capital \$10,000, incorporated; J. Seymour, G. Sokol.

N. C., Asheville—Central Land and Mortgage Co., R. F. D. No. 1, capital \$100,000, incorporated; Herbert L. Millard, E. H. Luckett.

N. C., Brevard—Flanoca Development Co., capital \$100,000, incorporated; W. E. Breese, R. W. Breese.

N. C., Chapel Hill—Alpha Chi Building Co., capital \$25,000, incorporated; P. L. Irwin, Charlotte; W. E. Chrisman, High Point.

N. C., Edgemont—N. T. Webb purchased 380 acre site and will develop for summer resort; install roads, water, sewers, lake.

N. C., High Point—Park Cemetery Co., S. C. Clark, Sec., will develop 5-acre site for cemetery; cost \$35,000; waterworks and roads completed; Fred B. Klein, Archt.; E. S. Draper, Landscape Archt., 1516 E. Fourth St., Charlotte.*

N. C., Raleigh—J. E. Herring Realty Co., capital \$100,000, incorporated; J. E. Herring, 408 S. Boylan Ave.

N. C., Winston-Salem—James Conrad Florida Co., capital \$100,000, incorporated; H. D. Shutt, 924 Shallowford.

S. C., Pickens—W. H. Cobb, Jr., D. A. Geer and associates, all Belton, purchased 175-acre tract in Pickens county; will develop.

Tenn., Chattanooga—Belvoir Land Co. will develop 200 acres land, Brainerd Park, for subdivision.

Tenn., Chattanooga—Brainard Real Estate Co., incorporated, capital \$100,000; develop 110 acres for residences; build streets and sidewalks.

Tenn., Memphis—Ben Dlugach, 320 Winchester St., Memphis, and Frank Dlugach, Chicago, Ill., acquired 28½ acres on Central Ave., will develop for subdivision; grade streets, etc.

Tex., Amarillo—Ellwood Interests of DeKalb, Ill., will develop 300,000 acres in Pan

Handle, known as Spade Ranch, for farms.

Tex., Dallas—Lingo Lumber Co., 2630 San Jacinto St., purchased 70 acres land on Lancaster Pike; will develop for residential addition.

Tex., Houston—Public Securities Co. (real estate), capital \$50,000, incorporated; J. W. Carter, 1517 San Jacinto St.

Va., Bluefield—C. T. Benbow and associates acquired 3000-acre site south of Bluefield on Fincastle-Cumberland turnpike; will develop for home sites, factory locations, parks, 18-hole golf course, swimming pool, summer resort, etc.

Va., Norfolk—Shore Realty Corp., capital \$50,000, incorporated; W. L. Parker, National Bank of Commerce Bldg.

Va., Norfolk—American Investment Corp., capital \$50,000, incorporated; R. D. Holland, M. E. Henson.

Va., Portsmouth—Cross Realty Corp., capital \$50,000, incorporated; W. C. Cross, F. E. Gerke.

Lumber Enterprises

Ark., Benton—Lena Lumber & Sales Co., capital \$25,000, incorporated; Everett Ham, Floyd M. Hill.

La., Cedar Grove—Red River Lumber Co., Shreveport, acquired and taken over operation of Western Silo Co.; will erect 100,000 ft. capacity planing mill in connection with plant, install steam operated system.

La., Grayson—Columbia Timber & Manufacturing Co. has plant, daily output 10,000 white and red oak staves.*

La., Rayville—Davis Burk Co., Inc., capital \$20,000, chartered; D. Burk, Pres.; J. N. Phillips, Sec.; sawmill, etc.

Miss., Mendenhall—W. C. Wood Lumber Co. of Collins, Miss., acquired mill plant of Gullledge Lumber Co.; also 40,000,000 ft. timber in Simpson County; will develop.

Miss., Pickens—National Lumber Co., R. L. Curtis, Pres., have plant, daily output 80,000 ft. pine lumber.*

Miss., Ripley—John Purvis acquired established planing mill; will operate.

S. C., Estill—Estill Lumber Co., incorporated; J. L. Marks, J. W. Broome.

Tenn., Johnson City—Southern Bending Co., Sam R. Sells, Pres., will rebuild burned portion of plant; loss \$50,000.

Tenn., Memphis—Carothers-Powell Lumber Co., capital \$10,000, incorporated; E. T. Carothers, 710 N. Evergreen St.

Tex., Elgin—Turner Lumber Co. increases capital, \$75,000 to \$200,000.

Mining

Ark., Rogers—Krusse Brothers will probably rebuild gold smelter, damaged by storm at loss of \$10,000.

Fla., Ocala—The Ocala Lime Rock Co., C. E. Ireland, Pres., Age-Herald Bldg., Birmingham, Ala., increased capital, \$100,000 to \$250,000; double output, open new quarry, etc.

La., Minden—Minden Sand & Gravel Co., Inc., Rollin Williams, Sec., has 800 acres to develop, install dredge pumps.*

Miscellaneous Construction

Ala., Mobile—Piers, etc.—State Dock Commission contemplates diverting waters of One Mile Creek into Three Mile Creek, construct piers, wharves, etc., along Mobile River; T. H. Emerson, U. S. Engr.

Fla., Boca Raton—Sea Wall—See Land Development.

Fla., Bradenton—Docks, etc.—City interested in building docks; maintain yacht basin, etc. Address City Clerk.

Fla., Hialeah—See Land Development.

Fla., Key West—Swimming Pool, etc.—Charles S. Baxter, Gen. Mgr. Burbank Co. of Miami, will construct Roman pool, bathing pavilion, etc., in connection with development.

Fla., Key West—Bulkhead, etc.—See Road and Street Construction.

Fla., Largo—Incinerator—City votes Sept. 8 on \$3000 bonds for garbage disposal plant. Address City Clerk.

Fla., Miami—Boardwalk—J. R. Clark, V.-P. of the Atlantic Shores Development, let contract to Floyd A. Reid, for \$100,000 boardwalk along ocean front, connecting Atlantic Shores and Hollywood developments.

Fla., Sanford—Bulkhead, etc.—Globe Dredging Co., 204 W. Bay St., Savannah, Ga., begun work of filling in connection with east end bulkheading extension.

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Fa., St. Augustine—F. W. Kirtland, Chmn., 7 Carrera St., Trustee for South End Development, awarded contract for preliminary work to Jos. E. Graig, Const. Engr., 427 King St., Jacksonville, for retaining work and fill; development will include golf grounds, parks, residential site, etc.

Fla., Tarpon Springs—Pier—City voted \$50,000 bonds for bathing beach and pier. Address City Clerk.

Fla., Tavares—Canal—Upper Ocklawaha Navigation Dist. Comms have preliminary surveys of Jacksonville-Miami Inland Waterway which traverses Lake County; will probably open bids in Sept.

Fla., Palm Beach—Yacht Basin—See Land Development.

Ga., Savannah—Terminals—S. H. Morgan, Guyton, reported announced \$5,000,000 project, constructing and operating port terminal facilities, property fronting on Savannah River; first unit will consist of series of bonded warehouses, cold storage plants and free port zone; construction to be under way by Jan. 1, 1926; Gordon Saussey, Chmn. of Port Terminal Committee.

La., Monroe—Incinerator—City invites bids on \$12,000 incinerator to be erected at Wood and 12th Sts.; Address City Clerk.*

La., New Orleans—Wharves, etc.—Orleans Dock and Levee Board, J. H. Walsh, Gen. Mgr., 1529 Henry Clay St., will proceed with plans for raising wharf to new levee grade, remaining section between Marigny and Clouet St., also lay new paved road to wharves along same section; total cost about \$200,000; soon ask for bids.

Miss., Biloxi—Wharf, etc.—J. Julian Lathan, Chief Archt. and Engr. of Coast Guard Service, Washington, D. C., making plans for coast guard wharf, also provide harbor facilities for number of boats; estimated cost \$20,000.

N. C., Elizabeth City—Wharves—City defeated \$32,000 bond issue for purchase of property for municipal wharves; J. H. Snowden, City Auditor.*

N. C., Mount Airy—Dam—J. H. Rhudy, Winston-Salem, interested in development of scenic resort; plans call for 125x60-ft. dam on Chestnut Creek to impound sufficient water to make lake to cover 100 acres or more; build scenic highway, hotel, etc.; site covers 1400 acres.

Tenn., Clarksville—Swimming Pool, etc.—See Miscellaneous Enterprises.

Tex., Hubbard—W. L. Odell and J. C. Boone will erect dirt and concrete dam; open bids some time in October.*

Tex., Texas City—Breakwater—Galveston County Comms., W. T. Smith, interested in breakwater project.

W. Va., Weirton—Docks—See Iron and Steel Plants.

W. Va., Wheeling—Retaining Walls—Yates Neel Construction Co. has contracts for following concrete retaining walls; one at Short Creek main stem and south fork, one at Glenn's run and Wilson hill and one at the Wheeling, Elm Grove and Fairmont pike.

Miscellaneous Enterprises

Ala., Montgomery—Producers Wood Preserving Co. organized by Bond Brothers, Inc., Metropolitan Bldg., Louisville, Ky., has permit for first building creosoting plant.*

Ala., Birmingham—Smallman-Brice Construction Co., 1109 Ave. E., has contract for the second, third and fourth floor addition to The Birmingham News building at Fourth Ave. and Twenty-second St.; addition giving building nearly 15,000 sq. ft. extra floor space; Warren, Knight & Davis, Archts., Empire Bldg., also supervise construction work; estimated cost building and equipment about \$200,000.

Ala., Birmingham—Health Food Corp. moved plant from Florence, Ala.; plans building factory; at present in temporary quarters.

Ala., Birmingham—Benson Paint & Varnish Co., 2317 First Ave., K. Y. Benson, Pres., acquired 3½-acre site at Tenth Ave. and Thirty-fifth St.; will remodel and build additional units; plans call for three separate units, office, warehouse and paint factory; have storage facilities for 250,000 gals. paint.

Ala., Mobile—Gulf Paint Co., Inc., capital \$80,000, chartered; Sigrid A. Jetmundsen, Arlann Anderson.

Ark., Searcy—Smith-Davis Mercantile Co., capital \$50,000, incorporated; Hubert Smith, S. K. Davis.

Fla., Avon Park—J. A. Chandler of Sebring leased the Avon Park Bakery; will operate.

Fla., Cedar Key—Suwannee River Navigation Co., Gainesville, organized, W. M. Fowler, Pres.; A. D. Ware Sec.; will establish passenger and freight service between Cedar Key and Branford.

Fla., Clearwater—Geo. F. Washburn, Owner, Gray Moss Inn, contemplates publishing magazine.

Fla., Coral Gables—City, Robert Davidson, Mgr., acquired \$25,000 fire fighting equipment from American LaFrance Fire Engine Co., Inc., Elmira, N. Y., including two pumps, equipped with 105 h.p. engine each.

Fla., Fort Lauderdale—Twentieth Century Motion Picture Co., Inc., capital \$1,000,000, chartered; Edward Young Clark.

Fla., Fort Pierce—Faber Baking Co. let contract to C. E. Cahow for \$50,000 plant, Avenue C; 70x100 ft., concrete, install equipment for complete baking plant.

Fla., Lake City—A. R. Phillips and W. J. Lord will erect ice cream plant at Duval and Murray Ave.; concrete; install equipment, initial daily output 350 gals.

Fla., Miami—The Jersey Ice Cream Co., E. F. White, Pres., 761 N. W. Eighteenth Terrace, has new plant, construction by owners; install \$30,000 equipment, including dairy machinery, boiler and refrigerator; furnished by Miller Lenfestey Supply Co., 50 N. E. 11th St., Tampa, and P. J. Barnett Co., Palatka.*

Fla., Palatka—Palatka Steam Laundry Co. will expend \$10,000, plant additions, new machinery.

Fla., Pensacola—Fire Fighting Equipment—City voted \$20,000 bonds for motor vehicle and other apparatus and equipment for fire dept.; L. E. Frenkel, City Clerk.*

Fla., Tallahassee—Insurance—Washington Casualty Co., capital \$500,000, incorporated; S. S. Tanner, Wm. W. Barrett.

Ga., Atlanta—Radium Ore Revigator Corp., reported, moving offices to Atlanta, probably later erect plant to manufacture company's product.

Ga., Savannah—Morrison Cafeteria Co., J. A. Morrison, let general contract to E. Morgan, 745 Wheaton St., to remodel cafeteria building on Congress St.; sub-contracts awarded as follows: For plumbing fixtures and work to Peerless Plumbing & Heating Co., 415 Drayton St.; for plastering to Thomas S. Wood, 1131 E. 33rd St.; for tiling to A. F. Reese Co., 312 Whitaker St.; and electrical work to Delta Electric Co., 624 E. Broughton St.

Ky., Lancaster—R. M. Feese of Ashland, will establish weekly paper, known as Lancaster Herald.

La., Bogalusa—Randell Grease Cup Co., capital \$100,000, incorporated; H. J. Cowgill, Pres.; J. H. Slaughter.

La., New Orleans—Medicines—Peerless Products, Inc., capital \$30,000, chartered; Edward W. Adey, 2432 Calhoun St.

La., New Orleans—Baronne Building, Inc., capital \$50,000, chartered; J. D. O'Keefe, 2234 Napoleon St.

La., New Orleans—Norip Overall Co., Inc., capital \$50,000, chartered; I. R. Seal, Whitney-Central Bldg.

Md., Baltimore—Licorice—J. S. Young & Co., 2701 Boston St., will expend \$30,000 on plant improvements, Boston and Lakewood Ave.; Chas. M. Anderson, Archt., 9 E. Pleasant St.

Md., Rockville—Florist—A. Gude Sons Co., 1318 Eye St., N. W., Washington, D. C., will erect 40x300-ft. greenhouses and 50 ft. 6 in. x 72 ft. boiler room; install pumps, boilers and heating pipe.*

Miss., Jackson—Addikson Hardware Co., capital \$10,000, incorporated; R. E. Addikson, 160 Minerva St.

Miss., Jackson—Grocery—Early-Stratton Co., of Memphis, capital \$500,000, chartered; Clarence Saunders, L. M. Stratton, Memphis.

Miss., Jackson—Security Warehouse Co., capital \$100,000, incorporated; C. W. Covington, Hazlehurst; J. C. Jones, Jackson.

Miss., McComb—J. O. Emmerich, Publisher of The Enterprise, plans building new plant.

Miss., McComb—McComb Semi-Weekly Journal, H. Key Bonney, Pres., let contract to Geo. W. Netterville & Son for building, 24x 154 ft., concrete, steel and brick; concrete floor; for newspaper and job office.

Miss., Natchez—Ashburn Park Amusement Co., capital \$12,000, incorporated; A. V. Davis, D. S. Merrill.

Miss., Natchez—Marsh Liniment Co., L.

C. Marsh, will probably organize, capital \$25,000, also contemplate plant extension.

Miss., Starkville—Condensed Milk—Southern Borden Co., capital \$300,000, incorporated; G. A. Page, M. J. Smith; let contract to D. D. Thomas & Sons, 463 N. Dunlap St., for building; acquired site along the M. & O. and Illinois Central railroads; M. J. Smith, Supt., and in charge of plant.*

Mo., Kansas City—M and J Tailoring Co., capital \$60,000, incorporated; Max Golfberger, 4405 Gillham Rd.

Mo., Kansas City—Toilet Articles—Alhambra Corp., capital \$100,000, incorporated; Chas. J. Boner, 5809 Virginia Ave.

Mo., Kansas City—Paving—Granite Top Surfacing Co., incorporated; S. D. Moore, J. S. Green, 522 Pioneer Trust Bldg.

Mo., Kansas City—Commonwealth Hotel Co., capital \$10,000, incorporated; Barney Goodman, 1241 Mannheim Rd.

Mo., St. Louis—C. Sarli, Pres. Kansas City Macaroni & Importing Co., acquired site cor. Pacific and Charlotte St.; will use for yardage space, etc.

Mo., St. Louis—Princess Shoe Co., capital \$10,000, incorporated; A. M. Yampolsky, 5126 Cates St.

Mo., St. Louis—Chandeysson Electric Co., 4092 Bingham Bldg., will expend \$45,000 on addition to factory.

Mo., St. Louis—Printers, etc.—E. G. Mernagh & Co., incorporated; E. O. Mernagh, 4946 Northld St.

Mo., St. Louis—Candies, etc.—Dealers Service Corp., chartered; Geo. C. Hafferkamp, 3837 Connecticut St.

Mo., St. Louis—Builders Supplies—Graftex Co., incorporated; David Murray, Archie P. Gordon, 6843 Scanlon Ave.

Mo., St. Louis—Contractors Materials Co., incorporated; H. Duhme, 76 Arundel Place.

Mo., St. Louis—Theodore Miller Floral Co., incorporated; Theo. Miller, 5886 Delmar St.

Mo., St. Louis—The Revere Transportation Co., capital \$30,000, incorporated; John J. Becherer, 5400 Vernon St.

Mo., St. Louis—Contracting—Master Built Construction & Finance Co., capital \$10,000, incorporated; Joseph Rosen, 732 Westgate St.

Mo., St. Louis—St. Louis Label Works, 921 N. 11th St., will erect \$100,000 building on N. Market and Glasgow St., 3-story, 80x 183-ft., reinforced concrete, insulated concrete roof, plans completed; Leonard Haeger, Archt., 3844 Utah Place.*

N. C., Asheville—Asheville Pharmacy & Laboratory Co., capital \$10,000, incorporated; O. W. Lane, W. B. Blades.

N. C., Durham—Soaps, etc.—Goss Chemical Co., Inc., 708 Railroad St., let contract to C. C. Edwards, Fayetteville Road, Durham, for 32x40-ft. building, wood, completed; daily output 1000 lbs. soap.*

N. C., Durham—The Durham Sun, S. Mangum St., incorporated; Wm. J. McMurray, Pres., 157 E. 32 St., York; Chas. R. Wilson, Sec., Fayetteville; let contract for new publishing building; 2-story and basement, 50x 116-ft., Indiana limestone, cast bronze frames, grills and door; Italian renaissance design; install modern equipment including high speed presses, stereotyping equipment, etc.; J. Albert Grant, local publisher.

N. C., Henderson—Globe Printing Co., capital \$50,000, incorporated; M. H. Stone, R. B. Crowder.

N. C., High Point—Liberty Amusement Co., capital \$100,000, incorporated; H. A. Cecil, Geo. B. Crater.

N. C., New Bern—Markson Shoe Co., capital \$25,000, incorporated; H. B. Marks, W. W. Gaskins.

N. C., Raleigh—Blue Lantern Gift Shoppe, Inc., capital \$10,000, chartered; W. W. Stancill, Tucker Bldg.

N. C., Mount Airy—See Miscellaneous Construction.

N. C., Shelby—See Ice & Cold Storage Plants.

Okla., Blackwell—Drane Tank Co. of Tulsa, contemplates establishing tank yard.

Okla., Sayre—Gladston Emery and J. S. Evans acquired the Sayre Journal; will publish.

S. C., Greenville—American Cotton Grader Co., propose incorporation, with capital of \$150,000; L. A. Greene, 549 W. Washington St.

Tenn., Chattanooga—Thacher Laboratories, Inc., capital \$2,000,000, reorganized; Fred Lupton, Gen. Mgr.; contemplate expansion of both plant and equipment; changed name from Thacher Medicine Co.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tenn., Clarksville—Amusement Park, etc.—W. L. Haynes, reported, will expend between \$25,000 and \$50,000 on reclaiming resort; build lake to cover 15 to 20 acres, swimming pool, reclaim sulphur and iron water wells; rehabilitate and furnish hotel, make improvements at Dunbar caves and Idaho springs; install lighting plant, etc.

Tenn., Memphis—Amusement Park—Noah's Ark Corp. of Tennessee, capital \$25,000, chartered; Wm. H. Dentzell, Harry Bloom.

Tenn., Memphis—O'Callaghan Advertising Agency, capital \$10,000, incorporated; Garner Ranson, Martin Callaghan.

Tex., Austin—Austin Garment Manufacturing Co., capital \$20,000, incorporated; W. S. Brown, 710 W. 21st St., Edmunds Travis; has building, will remodel, work begun.

Tex., Beaumont—Sabine Stevedoring Co., incorporated; N. S. Storter, 2424 Liberty St.

Tex., Corsicana—P. & S. Pharmacy, Inc., chartered; F. A. Pierce, A. P. Simpson.

Tex., Cuero—J. C. Carrington, Sec. Chamber of Commerce, receiving bids for creamery plant, main building 40x60 ft., brick and tile, cement floors, corrugated roof; install refrigerating machinery, butter, ice cream and buttermilk machines; daily output 500 lbs. butter, 300 gal. ice cream, etc.*

Tex., Dalhart—Restaurant—Maj. Eugene Logan will erect 1-story, 25x80-ft. brick building at Cozy Corner; to be occupied by B. & B. Cafe.

Tex., Dallas—Booth Storage Co., Inc., chartered; J. H. Booth, 3018 Blackburn St.

Tex., El Paso—A. Y. Smith of Pearce, Ariz., contemplates building \$200,000 beet sugar mill, brick and concrete.

Tenn., Fayetteville—Fayetteville Shirt Building Co., capital \$18,000, incorporated; J. A. Moores, E. C. Brossard.

Tex., Galveston—Steam Specialty Co., capital \$10,000, incorporated; D. K. Bowie, E. Brinkman.

Tex., Houston—T. L. Waugh & Sons Transfer and Warehouse Co., capital \$30,000, incorporated; Jacob F. Wolters, Chronicle Bldg.

Tex., Houston—Seaport Printing Co., incorporated; J. M. Forest, T. W. Roberts.

Tex., Houston—Abattoir—Commr. Ben S. Davidson and associates, interested in establishing municipal abattoir.

Tex., Lehman—Ira Dorsey contemplates moving newspaper plant from Streethan; will publish weekly paper.

Tex., Liberty—The Vindicator Publication Co., incorporated; E. B. Pickett, Jr.; C. A. Chambers.

Tex., Mexia—Schulz-Bennett Drug Co., capital \$25,000, incorporated; A. T. Schulz, Fred T. Bennett.

Tex., Port Arthur—W. E. Townsend and associates interested in establishing central pasteurization plant and central milk distributing plant in city; estimated cost \$50,000.

Tex., Waco—Shoe Polish—Controlling interests of The Thomson Co., 201 Elm Ave., acquired by Dr. David Bettison, Medical Arts Bldg., R. J. McCord, both of Dallas; will continue existing business.

Va., Norfolk—Stevedoring—C. G. Laird & Co., capital \$50,000, incorporated; Everett E. Ellis, Brokers Exchange Bldg.

Va., Norfolk—Old Dominion Distillers Corp., capital \$15,000, chartered; S. W. Pannill, Sec., National Bank of Commerce Bldg.; manufacture alcohol for industrial purposes.

Va., Petersburg—Harlow-Wilcox & Co., Inc., capital \$50,000, chartered; W. H. Will-Inc., 16 Dauphin St., capital \$50,000, chartered; W. H. Wilcox, Jas. D. McKenney.

Va., Petersburg—Southern Chemical Co., 11½ N. Sycamore St., T. O. Williams, will soon let contract to erect manufacturing unit for "Spartan Brand" flavoring extracts and drugs; 2 story, 35x130 ft., brick building, steel sash and reinforced glass; install sprinkler system; contract let for excavation.

Va., Richmond—The American Tobacco Co., 2400 E. Cary St., will expend \$21,000 on improvements to plant building at Twenty-fifth and Cary Sts.; manufacture "Lucky Strike" cigarette.

Va., Richmond—Abattoir—Union Abattoir will expend \$18,000 on improvement to plant on Hermitage Rd.

Va., Richmond—H. D. Driscoll, Inc., capital \$50,000, chartered; T. Nelson Parker, Mutual Bldg.; engineering, etc.

Va., Salem—Logan-Pugh Co., Inc., capital \$10,000, John M. Logan, Salem; R. B. Bass, 119 Mountain Ave., Roanoke; mercantile.

Va., Virginia Beach—The Lynhaven Publishing Co., A. Johnston Ackiss, Pres., pub-

lishers of "The Virginia Beach Weekly" has building, have not decided as to installing equipment; at present printing is done by W. T. Barron & Co., 414 Plume St., Norfolk.*

W. Va., Charleston—Earl L. Bastain, 3 S. Charleston St., and Chas. J. Schmidt establish plant to manufacture outside furniture of "Italistone," specialize in sundials, pedestals, benches, etc.; will probably erect building later.

W. Va., Everettville—Everettville Drug Co., capital \$50,000, incorporated; Lawrence Barry, Paul N. Musgrove.

W. Va., Star City—Light & Lens Corp., capital \$3,000,000, incorporated; Howard A. Kauffald, Star City; F. H. Mitchell, Morgantown.

Motor Bus Lines and Terminals

D. C., Washington—Washington Motor Coach Co. seeks permission to operate bus line from Annapolis to Baltimore.

Fla., Miami Beach—Miami Transit Corp., capital \$50,000, organized to establish co-operative motor bus service between Miami and Miami Beach; C. E. Brogdon, Chief of Police, interested in organization.

Fla., West Palm Beach—D. G. Hamilton, representative of the Mack Truck Co., asked franchise to operate interurban bus lines.

Tex., Lubbock—W. D. Benson, Sr., let contract for brick building on Avenue I, 2-story, 26x125 ft.; first floor leased to Lubbock Stage Line Operators, equipped for modern stage line depot.

Va., Norfolk—Frank McLaughlin, V. P. Virginia Railway & Power Co., 200 E. Plume St., reported, acquired 36 motor cars now operating at Norfolk; initial step in reorganizing car and bus service.

W. Va., Huntington—The Westova Transit Co., Simmons-Keller Blvd., will establish motor bus line, has three 25 passenger buses, furnished by International Mack Motor Co.

Motor Cars, Garages, Filling Stations

Fla., Coconut Grove—A. L. Hardie let contract to Colby & Son for garage and machine shop near Douglas Rd.; Lee L. Wade, Archt., Profession Bldg., Miami.

Fla., Jacksonville—Sims Tire Service, Claude Sims, 324 W. Forsyth St., let contract to R. J. Gallespie, Hubbard Bldg., at \$16,000 for first unit of building, 2-story, 38x100-ft., masonry walls, frame, cement and wood floors, Carey built-up roof; install 6x8-ft. freight elevator; Jefferson D. Powell, Archt., Professional Bldg.*

Fla., Orlando—Swope-Douglas Realty Co., O. B. & T. Bldg., will erect \$100,000 storage garage building on W. Jefferson St.; 2 story, 103x165 ft., steel, concrete and hollow tile, steel trusses, building divided into garage and two stores; install modern equipment; construction begun in charge of J. S. Hall, 126 Zelma St.; garage leased to Cash Riddle, 26 W. Central Ave.

Ga., Atlanta—Thirty-four Cone, Inc., received permit for \$150,000 garage building at 34 Cone St., 6-story; Pringle & Smith, Archts., Atlanta Trust Bldg.; Foundation Co., 101 Marietta St., Contrs.

Ga., Bainbridge—Brooks Oil Co. will erect filling station on Dixie Highway.

Ky., Bowling Green—Crescent Motor Co., 813 College St., reorganized; O. L. Carpenter, Cecil M. Jones.

La., Shreveport—A. L. Waller, 953 Trabue St., let contract to Tom Green, Ward Bldg., for building cor. Arkansas Ave. and Third St.; to be occupied by H. B. May Manufacturing Co., 1312 Wilkinson St., to make all steel automobile truck trailers.*

La., St. Joseph—Tensas Motor Co., Inc., capital \$30,000, chartered; H. D. Worthy, B. F. Young.

Miss., Poplarville—Poplarville Garage Co., capital \$50,000, incorporated; Wilmon Stewart, J. A. Moody.

Miss., Starkville—East Mississippi Motor Co., capital \$15,000, incorporated; W. D. Rankin, D. C. Castles.

Miss., Vicksburg—Waggoner Auto Parts Co., 819 Crawford St., capital \$15,000, incorporated; Chas. G. Waggoner.

Mo., Cape Girardeau—North Main Street Garage, capital \$50,000, incorporated; Lee James, Ray B. Walb.

Mo., Kansas City—Harry Brown will erect building on Southwest Blvd., to be occupied by Southwest Auto Parts Co., 115 S. W. Blvd.

Mo., Kansas City—Tri-State Motors Corp., capital \$25,000, chartered; Edward G. Mura, 3508 Holmes St.

Mo., Malden—Dowart Motor Co., capital \$20,000, incorporated; Harry S. Dowart, Memphis, Tenn.; C. L. Harrison, Cape Girardeau, Mo.

Mo., St. Joseph—Raborn-JacComb Motor Co., capital \$20,000, incorporated; F. L. Raborn, 224 S. Eighth St.

N. C., Chapel Hill—Pendergraft Motor Co., capital \$50,000, incorporated; R. N. Pendergraft, Henry A. Whitfield.

N. C., Charlotte—Charlotte Automotive Service Assn. Inc., chartered; J. H. Huntley, 515 E. Fourth St.

N. C., Raleigh—Locomotive Co., capital \$50,000, incorporated; Wm. B. Jones, 404 Hillsboro St.

Okla., Miami—Huff Motor Co. will erect 2-story salesroom on Main St.; cost \$30,000.

S. C., Walterboro—Padgett & Mooror, Attys., will erect filling station and garage at intersection of Atlantic Coastal highway and LaFayette highway.

Tenn., Nashville—Automobiles—Marvin B. Frazer & Co., 129 Eighth St., capital \$50,000, incorporated; W. D. Gale, Independent Bldg.

Tex., Brownsville—Wilkinson Motor Co., capital \$15,000, incorporated; H. C. Wells, E. E. Harris.

Tex., Corpus Christi—Corpus Christi Motor Co., 202 Chaparral St., let contract to W. C. Winger, at \$13,933 for brick building, 49x149-ft., concrete floors; Chas. T. Finchum, Archt.*

Tex., Dallas—Hupmobile Auto Agency, Fred Manget, Santa Fe Bldg., let contract to H. T. Apple, 2826 Forest St., at \$36,000 for 90x114-ft. building on Preston and Pacific Sts., reinforced concrete, built up roof, concrete and terrazzo floor; steel sash and trim; Foshee & Cheek, Archt., 1310 Athletic Club Bldg.

Tex., Dallas—Mrs. Ellen Evans will erect \$75,000 building at Harwood and Trinidad Sts., 2-story, 75x195 ft.; to be occupied by Franklin Motor Co., 1601 S. Ervay St.

Tex., Fort Worth—Lightsey's Drive-It-Yourself System, capital \$20,000, incorporated; H. W. Orgain, 1919 Berkley Place.

Tex., Plainview—Lee Stephens let contract to Harrison & Smyth for 25x140x74 ft. building on Fifth and Broadway; brick, occupied by Homer Robbins Motor Co.

Tex., San Antonio—San Antonio Tire Builders, Inc., 223 Main St., chartered; A. J. Landrum, G. G. Mann.

Va., Danville—Wilson Motors, Inc., chartered; A. Lee Wilson, 153 Holbrook Ave.; Lillian C. Wilson.

Va., Richmond—Rhalbro Realty Co. reported has permit to erect \$65,000 public garage at 406-10 N. Seventh St.

Va., Richmond—James E. Crass, Pres., 1807 W. Broad St., let contract to O. C. Poers & Co., 1202 Palmyra St., for \$80,000 building, 1-story, 218x140-ft., brick and steel; to be occupied by automobile dealers, making it central point for all second-hand cars.*

W. Va., Huntington—H. E. and E. C. Hines, 940 Fifth Ave., reported, erect 3-story combination office building and garage on Fifth Ave. between Ninth and Tenth Sts.; 3-story, with foundation to carry 16-story building; steel skeleton and reinforced concrete, fireproof and sound proof; garage to be equipped with ramps or spiral runways; has site 185x185 ft.; Meador & Handloser, Archts., 1139 Fourth Ave.; let contract as soon as plans are completed.

Railway Shops and Terminals

W. Va., Huntington—Chesapeake & Ohio Ry. Co., C. W. Johns, Chief Engr., 1006 Park Ave., Richmond, Va., reported, let contract to Milo R. Hanke Co., 1009 Ross Ave., Cincinnati, Ohio, for new boiler shop; estimated cost \$500,000.

Road and Street Construction

Ala., Decatur—City, E. W. Collier, Clk., receives bids Aug. 31 to pave 3 blocks of streets with 5-in. Puzzolin cement concrete base, and 2-in. double course asphaltic concrete top, estimated cost \$12,000; M. S. Birmingham, Engr.*

Ala., Gadsden—City will pave Ewing Ave.; approximately 8000 ft. cement curbing and gutter. Address The Mayor.

Ala., Tuskegee—City let contract to Campbell Construction Co., Ga. Home Bldg., Columbus, Ga., to pave Main St.

D. C., Washington—Dist Commrs., let contract to Corson & Cruman, 33d and K Sts., at \$39,000, to re-surface 12 sections of asphalt pavements; to G. B. Mullin, Inc., 1296 Upshure St., to grade Madison and Eighth Streets.*

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Fla., Apalachicola—Franklin County plans improving roads; voted \$250,000 bond issue.

Fla., Avon Park—City plans extending Mall. Address the Mayor.

Fla., Beuna Vista—City let contract to J. Quinn Construction Co. at \$21,000 to pave N. E. Second Ave. between 38th and 41st Sts.*

Fla., Brooksville—Hernando County plans improving roads; voted \$1,000,000 bond issue. Address County Commrs.

Fla., Clearwater—City. Chas. F. Mason, City Mgr., receives bids Sept. 7 for furnishing and constructing 78,104 cu. yds. excavation, 49,344 sq. yds. 6-in. rock base, 49,344 sq. yds. brick or asphalt block, 24,251 lin. ft. curb and gutter, 15,524 sq. yds. sidewalk, 48 manholes, 100 storm inlets, 12,223 lin. ft. 8-in. vitrified clay pipe, 4478 lin. ft. 10-in. vitrified clay pipe, 5422 lin. ft. 12-in. vitrified clay pipe, 225 lin. ft. 15-in. vitrified clay pipe, 3825 lin. ft. 18-in. vitrified clay pipe, 1260 lin. ft. 24-in. vitrified clay pipe; vitrified brick or asphalt block bids for street paving.

Fla., Clearwater—Pinellas County, Special Road and Bridge Dist. No. 12 let contract to Davis, Miller Co., Clearwater, for highways.

Fla., Deland—See Land Development.

Fla., Fort Pierce—Fort Pierce Finance and Construction Co. let contract for 3 mi. paving and sidewalks in Fort Pierce Beach residential section to the Haggerty Engineering and Construction Co.

Fla., Groveland—Town, A. W. Newett, Mayor, plans grading, draining, building, rebuilding, paving and hard-surfacing various streets; voted \$35,000 bonds.*

Fla., Haines City—See Land Development.

Fla., Haines City—City plans paving; will expend \$700,000; Jess P. Ferrill, City Mgr.

Fla., Key West—Monroe County Commrs., J. Otto Kireheiner, Chmn., receive bids Sept. 24 for four roads; 6 mi. boulevard consisting of concrete apron wall, sidewalk and roadway, with drainage and lighting systems, 2 creosoted bridges and sheet pile bulkhead, around eastern portion of Key West; 9 mi. 16-ft. stone surface, oiled for sub-grade, from point on southwest island of Saddle Bunch Key Group, to point near Florida East Coast R. R., on Sugar Loaf Key; also 180-ft. bridge over Sugar Loaf Creek; 16 mi. 16-ft. stone surface, Tamiami Trail; 28 mi. 16-ft. stone surface on Key Largo, from point near southern end to northern end; plans from County Engr.

Fla., Lake Wales—See Land Development.

Fla., Live Oak—Suwanee County Commrs. contemplate improving roads; contemplate \$1,000,000 bond election; John F. Harrell, Atty.

Fla., Miami—Dade County Commrs. let contract to the Florida East Coast Railway Co., Malaga St., St. Augustine, at \$20,000 for 5 mi. road connecting West Flagler St. extending into Hialeah.

Fla., Miami—City Comm. receives bids Aug. 31 for street improvement under Highway Improvements 264 to 268; 127,386 sq. yds. 3-in. sheet asphalt on 8-in. pit rock base or 1½-in. Kentucky rock asphalt on 9¼-in. pit rock base; H. E. Ross, City Clk.

Fla., Miami—W. T. Price, Contr., Coconut Grove, received contract at \$60,000 for 10 mi. sanded oil streets in Silver Bluff.

Fla., Miami—See Land Development.

Fla., Mt. Dora—Town receives bids Sept. 24 for 170,000 sq. yds. bituminous street paving; plans on file; A. J. Waltz, Mayor, and H. S. Jaudon Engineering Co., Engrs., Eustis, Fla.

Fla., Orlando—See Land Development.

Fla., Palm Beach—Town receives bids Aug. 31 for streets known as County Roads; 50,000 sq. yds. limestone pavement, 12,500 lin. ft. curb and gutter, 62,000 sq. ft. concrete walks; plans on file; Joseph Borman, Acting Town Mgr., and L. T. B. Southwick, Engr.

Fla., Palm Beach—See Land Development.

Fla., Panama City—Interbay Development Co., Col. Raymond C. Turk, Julia St., Jacksonville, let contract for sidewalks in Old Orchard to Col. M. B. Hawkins, Construction Firm.

Fla., Pensacola—City plans improving streets; voted \$150,000. Address the Mayor.*

Georgia—State Highway Dept., East Point, will receive bids Sept. 4 for 17 mi. Coastal Highway from St. Marys River, Florida to Woodbine, Camden County.

Ga., Camilla—Mitchell County Commrs. let contract to Davis Construction Co., Walton Bldg., Atlanta, for 4.5 mi. road north from Camilla to Flint.

Ga., Savannah—City receives bids Sept. 2

to resurface Indian St., from Broad to Water; pave Thirty-eighth St. from Ogeechee Ave. to Bullock St.; Thirty-fourth St. from Barnard to Jefferson; plans from J. W. Motte, Director of Public Works.

Ky., Hazard—Perry County will let contract in 2 weeks for 10 mi. highway; address Perry Fiscal Court, Hazard.

Ky., Whitesburg—Letcher County will let contracts for 10 mi. highway by Sept. 1; address Letcher Fiscal Court, Whitesburg.

La., Bastrop—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bid from Banta & Murtersbaugh, Inc., Lake Charles, at \$72,947 for 15.4 mi. gravel Mer Rouge-Lake Lafourche Highway, Morehouse Parish.*

La., Bastrop—Morehouse Parish Police Jury, J. W. Brodnax, Pres., receives bids Sept. 1 for 2 mi. Gallion-Bonidee road, from Gallion, eastward; plans from J. Lester White, Parish Engr.

La., New Orleans—See Miscellaneous Construction.

La., Vinton—Town contemplates graveling 3 streets; address Athan Perry, Mayor.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids Sept. 1, Prince George County, 2.42 mi. concrete state highway from Priest's Bridge toward Upper Marlboro; John N. Mackall, Chmn.; L. H. Stewart, Sec.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, let contracts for 3 roads: 4.94 mi., Colesville and Ashten, Thomas, Bennett & Hunter, Westminster, \$80,925; 1.01 mi. concrete road along River Highway from the Potomac toward Seneca, Corson and Gruman, Washington, \$30,129; 1 mi. concrete road, Laytonsville and Claysville, Loomis-Wetzel Contracting Co., Washington, \$27,306.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bids for road and approaches to bridge: 1.25 mi. highway between Coleman's Corner and Crosby, Kent County, Kaufman Construction Co., Denton, Md., \$20,227; concrete approaches to proposed bridge over Chesapeake and Delaware Canal at Chesapeake City, Cecil County, Broad Creek Contracting Co., Elkton, Md., \$22,474.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids Sept. 1 for 2.63 mi. gravel State Highway from State road near Pomfret to Benville School, Cont. Ch-34, Charles County; John N. Mackall, Chmn.; L. H. Stewart, Sec.

Md., Baltimore—City received low bid from The Roland Park Co., 3904 St. Paul St., Baltimore, \$31,314, to improve portions of streets in western half of Homeland development; St. Dunstan's road, Witherspoon Way, Upnor road, Turnbridge road, Paddington road, Purlington Way; also let contract to John J. Bresnan Co., Woodland Ave., at \$41,449.70, for portions of streets in eastern half of Homeland; Taplow road, St. Dunstan's road, Putnew Way, Tilbury Way, Turnbridge road.

Miss., Armory—City, E. E. Cowley, Clk., receives bids Sept. 14 for 9500 sq. yd. bituminous pavement, 294,000 sq. ft. concrete walk, 77,000 lin. ft. curb and gutter; plans on file and from A. L. Dabney, Const. Engr., Memphis, Tenn.; S. A. Grady, Mayor.

Miss., Hattiesburg—See Land Development.

Mo., Cape Girardeau—City plans improving Lacy St. from Broadway to city limits; address the Mayor.

Mo., Chillicothe—City plans grading Graves St. from Washington to Fourth. Address City Clk.

Mo., Columbia—City plans paving Sexton road, improving College St. from Austin to Radio Springs Park. Address City Clk.

Mo., Hannibal—City plans paving Hubbard St. from St. Mary's Ave. to point 350 ft. east; address the Mayor.

Mo., Independence—City plans paving West Walnut St. from Lexington to Forest Sts. Address the Mayor.

Mo., Jefferson City—City receives bids Sept. 7 for cement concrete sidewalk on Main St. from Ware Ave., to west city limits. Address City Clk.

Mo., Jefferson City—City plans paving Locust St. from High St. to McCarty. Address the Mayor.

Mo., Jefferson City—City plans improving Capitol Ave. from Madison St. to Monroe St.

Mo., Kansas City—City plans paving Prospect Ave. from Swope Parkway to Fortyninth St. Address City Clk.

Mo., Neosho—City plans curbing Jefferson St. from McKinney to Sherman. Address City Clk.

Mo., St. Louis—City contemplates improving 10 streets: Wydon Blvd., Missouri Ave., Bernard St., Eugenia St., Clark Ave., 3 sec-

tions of Walnut St., Randolph St. and Tenth St.; estimated cost \$348,400. Address Board of Aldermen.

Mo., St. Joseph—City plans improving 7 streets: Gordon Ave., Felix St., alley between Sacramento and Monterey Sts., grading of Highly St., alley between Park Ave. and Valley St., oiling Antonine from Isabell St. to Rosine St., sidewalks on Twenty-fourth St. from Felix one block north; address the Mayor.

N. C., Elizabeth City—Pasquotank Highway Comm., receives bids Sept. 1 to hard surface 3 mi. Simonds Creek road; plans on file; J. R. Ford, Engr.

N. C., Graham—Alamance County Commrs. let contract to S. R. Bolden for 1.5 mi. sand clay road, Guilford stretch connecting Whitsett and Burlington; estimated cost \$10,000.

Mo., Springfield—City plans improving 3 streets: Loren, Benton Ave. and Hovey St.; address the Mayor.

N. C., Goldsboro—State Highway Comm. will pave sidewalks, streets and bridges with asphalt on 5 blocks inside city limits; estimated cost \$30,000.

N. C., Mount Airy—See Miscellaneous Construction.

N. C., Mount Holly—Town receives bids Sept. 9 for approximately 20,000 sq. yds. paving; plans on file; J. W. Holland, Clk. Carolina Engineering Co., Johnston Bldg., Charlotte, Engrs.

N. C., Murfreesboro—Town let contract for curbing and gutter on Main St. to L. A. Porter, Winton; voted \$15,000 bond issue.

N. C., Walnut Cove—Town let contract to Geo. R. Martin for 50,000 yds. paving; N. S. Mullican, 421½ Trade St., Winston-Salem, Const. Engr.

Okla., Picher—City will grade Conell Ave.; address the Mayor.

Okla., Tonkawa—City will pave two blocks of streets; L. S. Fisher, Contr.

Okla., Vinita—Craig County Commrs. contemplate improving roads; may vote \$600,000 bond election.

South Carolina—State Highway Dept., Columbia, receives bids Sept. 1 for 5.726 mi. State Route 341, Lee County from S. A. L. Railroad in Bishopville to Survey Station 311-00, point south of Wisacky; 14,090 cu. yds. sand-clay surfacing, 30.2 mi. lin. ft. mixing and shaping; Samuel McGowan, Ch. Highway Commr.

South Carolina—State Highway Dept., Columbia, let contract for 4.653 mi. Route No. 8, Cherokee County, Gaffney to Spartanburg, to Southern Paving Construction Co., Volunteer Life Bldg., Chattanooga, at \$153,329.20.*

S. C., Gaffney—City Council let contract to V. I. Spurgeon, Gaffney, to pave 12,000 ft. sidewalk on E. Frederick St.

S. C., York—State Highway Dept., Columbia, receives bids Sept. 1 to pave with plain concrete, asphaltic concrete, or Topeka type, 2 roads totaling 16½ mi.: From Rock Hill to Chester County line; from York to Clover; 16,000 sq. yds. street paving, sidewalk, curb and gutter in Clover; also 300-ft. creosoted timber bridge, and culverts; Lee, Murray, Palmer & Brown, Engrs. for town work.*

Tenn., Elizabethton—Carter County plans extension of Broad St.; will issue \$15,000 bonds; address County Commrs.

Tenn., Memphis—City let contract to Geo. W. Turner & Co., 280 Ayers St., at \$50,606.75 to pave and improve Central Ave. from Cooper St. to East Parkway.

Tenn., Memphis—See Land Development.

Texas—State Highway Dept., Austin, receives bids Sept. 11 for 11 roads: Bowie County, 3.977 mi. Highway No. 5, grading and structures; Hall County, 3 sections, Highway No. 5, .89 mi. Sec., Donley County line to city limits of Memphis, 11.57 mi. Sec. F from east city limits of Memphis to Red River, 1.12 mi. Sec. J, through City of Memphis; Jones County, 9.68 mi. Highway No. 30, grading and drainage structures from Stamford to point north of Anson; 5.57 mi. State Highway No. 2, from Austin-Hutto road, the Williamson County line south; Liberty County, 22.47 mi. State Highway No. 3; Cass County, 5.64 mi. Highway No. 8, earth road and drainage structures; Madison County, 10.18 mi. Highway No. 21, grading and structures; Ellis County, 6 sections, 5.69 and 4.83 mi. Highway No. 34; plans on file; R. J. Hank, State Highway Engr., Austin.

Tex., Desdemona—City, plans street paving, estimated cost \$30,000; L. Gresham, City Engr.

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Tex., Brownsville—Brazos Santiago Ferry Co., Brownsville, interested in building 4.5 mi. ocean beach drive, estimated cost \$75,000; A. E. Anderson, Brownsville, Engr.

Tex., Caldwell—Burleson County Commrs. Road Dist. No. 1 plan building roads; will vote Sept. 15 on \$600,000 bond election.

Tex., Dallas—City let contracts for street paving: 62,260 sq. yds. paving Uvalde Paving Co., Insurance Bldg., at \$260,860; 66,780 sq. yds., Smith Bros., American Exch. Bank Bldg., at \$253,226.60; 72,400 sq. yds., Fuller Construction Co., Independent Bldg., at \$296,940.10; 78,600 sq. yds., Central Bitulithic Co., Praetorian Bldg., \$304,789.80.

Tex., Duero—Dewitt County Commrs. plan 20 mi. paved roads; vote Sept. 12 on \$250,000 bond issue; address Stanley Kulawik, R. D. No. 1, De Witt County.*

Tex., Floresville—U. S. Bureau of Public Roads, Washington, D. C., approved plans for road in Wilson County, from Bexar County line to Road Dist. No. 3 line, estimated cost \$395,000.

Tex., Jacksonville—City plans hard surfacing various business streets, cost \$100,000; O. L. Forsgard, Engr., Nacogdoches.

Tex., La Feria—City plans hard surfacing certain streets, estimated cost \$100,000; Address City Engr.

Tex., Lufkin—City contemplates paving approximately 3 mi. streets. Address C. N. Humason, Mayor.

Tex., Panhandle—City, C. E. Deahl, Mayor, let contract to Panhandle Construction Co., Lubbock, at \$45,652.95 for 11,355 yds. brick paving.

Tex., San Angelo—Tom Green County Commrs. plan hard surfacing 74 mi. roads: State Highway No. 9; State Highway 30; State Highway No. 99; will vote \$500,000 bond issue Sept. 19.

Tex., San Antonio—See Bridges, Culverts, Viaducts.

Tex., San Antonio—Bexar County Commrs. receive bids Sept. 11 for improvement in Precinct No. 3 to highways with 1/2 in. and 1 in. natural limestone rock asphalt topping; plans on file; Augustus McCloskey, County Judge, San Antonio, Tex., and A. C. Pancoast, County Engr., 102 Turner St.

Tex., Stamford—City let contracts for paving new streets with brick to Thurber Brick Co., and bituminous paving to Smith Bros., American Exchange Bank Bldg., Dallas.*

Tex., Stephenville—Erath County Road Dist. No. 5 defeated bond issue.

Tex., Sweetwater—Nolan County plans 9.10 mi. grading, bridges, sledged stone base and asphalt surface on State Highway No. 7, from Roscoe to Mitchell County line, estimated cost \$156,400; J. A. Focht, Engr.; A. S. Mauzey, County Judge.

Va., Warrenton—Farquhar County plans improving roads; will vote Sept. 8 on \$120,000 bond election.

West Virginia—State Roads Comn., Charleston, let contract for 2 roads: Surface 5 mi. road Hinton to Raleigh County line, Elkins Construction Co., Elkins, \$116,186; 6 mi. road, Shay Springs to Summers County line, Janutulo Construction Co., Fayetteville, \$151,721.

W. Va., Clarksburg—City, D. H. Hamrick, City Clk., receives bids Sept. 1 for paving, sewer, and otherwise improving East Pike, Alley between Joyce and Brown Sts., Hill St., Summer St., North Fifteenth St., Broadway, Camden, North Twentieth and Gould Ave.

W. Va., Fairmont—City plans expending \$60,000 to pave 7500 ft. Speedway, East Side. Address City Clk.

W. Va., Wheeling—Ohio County Board of Commrs. receives bids Sept. 3 for approximately 3900 ft. Memorial Blvd. from 11th and Chapline St. to top of Fulton Hill on National Road; plans on file, T. C. Stevenson, Clk., and A. C. Hoffman, County Road Engr.

Sewer Construction

Fla., Boca Raton—See Land Development.

Fla., Clearwater—See Road and Street Construction.

Fla., Coral Gables—City, R. M. Davidson, Mgr., let contract to J. B. McCrary, Atlanta, Ga., for five mi. storm sewer.

Fla., Haines City—See Land Development.

Fla., Lake Wales—See Land Development.

Fla., New Port Richey—City, Elroy N. Avery, Mayor, receives bids Sept. 3 for sanitary sewer and water works system; J. B. McCrary Engineering Corp., Engr., Atlanta, Ga. (See Machinery Wanted—Sanitary Sewer and Water Works System.)*

Fla., Orlando—See Land Development.

Fla., Pensacola—City voted \$120,000 for extending sanitary sewer system; \$40,000 for improving storm sewers; \$50,000 for water works; \$25,000 for parks; \$100,000 for golf course; J. E. Frenkel, City Clerk.*

Fla., Tampa—City, Wm. E. Duncan, Clerk, receives bids Sept. 1 for constructing storm sewer on Fourth Ave. between 28th and 29th Sts.; 60 in. ft. 8x4 ft. concrete box; plans and specifications at office City Engineer.

Fla., Tarpon Springs—See Water Works.

Ga., Dalton—City receives bids Sept. 7 for approximately 3 1/2 mi. sanitary sewerage with necessary manholes and appurtenances; E. V. Camp and associates, Engrs., Atlanta. (See Machinery Wanted—Sewers.)*

Md., Baltimore—Board of Awards, F. A. Dolfeld, City Register, receives bids Sept. 2 for storm drainage and sanitary sewers in sewer districts J-8 and 38; Milton J. Ruark, Sewerage Engr. (See Machinery Wanted—Storm Drainage and Sewers.)*

Miss., Hattiesburg—See Land Development.

Mo., Joplin—Board of Public Service let contract to J. J. Dunnegan Construction Co. on cost plus basis for second section to extend from Southwest Ave. to Manchester road, distance of 2 1/2 mi., to include storm water channel 100 ft. wide at bottom, which will form surface of foul water sewer which runs underneath, this to be 6x8 ft.; estimated cost \$1,500,000.*

Mo., Mexico—City is having plans made by city engineer for laying sewer on Robinson St.

Mo., Portageville—See Water Works.

Mo., Sikeston—City contemplates sanitary system; will vote on \$82,000 bonds. Address City Clerk.

S. C., Greenville—Greater Greenville Sewerage Comsn., B. A. Morgan, Chmn., Miller Bldg., engaged J. E. Sirrine & Co., 215 S. Main St., for sewerage survey to serve Greenville and Parker Dist. territory.*

S. C., Leesville—City, H. A. Meetze, Clk., let contract to Poe Construction Co., Palmetto Bldg., Greenville, for installing sewerage system and disposal plant.*

Tenn., Dickson—City plans sewerage and water works improvements; election Sept. 15 on \$100,000 sewerage and \$25,000 water main extension bonds. Address City Clerk.

Tex., Corpus Christi—City will improve, enlarge and extend sanitary sewer system; vote Sept. 21 on bonds. Address City Clerk.

Tex., El Campo—City votes Sept. 12 on \$60,000 sewer bonds; R. D. King, Engr.

Tex., Houston—City, O. F. Holcomb, Mayor, will call for bids for construction storm sewers on Texas Ave., Fannin St. to Austin St.; J. C. McVea, City Engr.

Tex., Houston—City, O. F. Holcomb, Mayor, received low bid at \$27,345 from Chas. K. Horton, 2202 Clay St., for sanitary sewer on Main St., Washington Ave. to Capitol Ave.; A. E. Quay at \$28,794 for sewer on Capitol Ave., Smith St. to Louisiana St. and under Smith St. bridge; J. C. McVea, Engr., 1318 Kipling St.*

Tex., O'Donnell—See Water Works.

Tex., San Augustine—City, Jno. Thompson, Mayor, let contract at \$32,687 to E. E. Collins, Falfurrias, for sewer improvements and extensions; W. A. French, Mgr.*

Tex., San Antonio—City let contract to San Antonio Sewer Pipe Works, Bedell Bldg., for supplying tile pipe; cost \$12,000.

Tex., Weslaco—City let contract at \$21,000 to W. L. Pearson & Co., First National Bank Bldg., Houston, for laying sewer; H. E. Bennett, Engr., Mercedes.

Tex., Yoakum—City will extend sewer system on Forest, Hopkins, W. Gonzales and Matthews Sts.; estimated cost \$25,000; probably call bond election.

Tex., Yorktown—City will build \$50,000 sewer system; day labor under supervision A. B. Clenny, Engr., Dallas.

Telephone Systems

Fla., Deland—See Land Development.

La., Shreveport—Cumberland Telephone & Telegraph Co., Telephone Bldg., Atlanta, Ga., will complete telephone line, granted permit to build line across Rec river traffic bridge between Bossier City and Shreveport; will be link in transcontinental telephone line from the Atlantic to Pacific.

Tex., Dallas—Southwestern Bell Telephone Co., main office Boatmen's Bank Bldg., St. Louis, Mo., expending \$100,000 on plant extensions; Harry Brickhouse, Mgr.

Textile Mills

Ky., Covington—Sek-Reliance Corp. (subsidiary Sek Manufacturing Co.), capital \$500,000, chartered; W. A. Clark, Pres., purchased Reliance Textile & Dye Works; will dye and finish cotton piece goods, capacity 50,000 yards.

La., Bastrop—Chamber of Commerce interested in establishment textile mill by outside capital.

North Carolina—W. H. & A. E. Margerison & Co., Jasper and Huntingdon Sts., Philadelphia, Pa., manufacturers of Martex brand Turkish towels, etc., contemplate formation \$1,000,000 company to establish plant in vicinity of Salisbury and Concord.

N. C., East Flat Rock—Charles Chipman's Sons, Inc., 366 Broadway, New York, purchased Skyland Hosiery Mills Co.

N. C., Greensboro—Proximity Manufacturing Co., Proximity St., let contract to Fiske-Carter Construction Co., Greenville, S. C., for 500x100-ft., one-story addition to print-works and re-roofing White Oak mill; brick, concrete and steel; steel roof on entire White Oak mill; cost about \$300,000; J. E. Sirrine & Co., Engrs., Greenville.

S. C., Gaffney—Love Mills organized, capital \$100,000; erect plant at Kings Creek; A. W. Love, Pres.-Treas.; W. A. Love, Sec.

Tenn., Chattanooga—Central Franklin Processing Co. let contract to Gallivan Building Co., Gallivan Bldg., Greenville, S. C., for 3 main buildings and office buildings of dye plant on E. Ninth St.; cost \$75,000; 2 stories, 41 sq. ft. floor space, slow burning mill construction, brick walls, steel sash windows; J. E. Sirrine Engineering Co., Engrs., 215 S. Main St., Greenville.*

Tenn., Nashville—Chamber of Commerce reported negotiating with Canadian interests planning plant here.

Tex., Fort Worth—Fort Worth Cotton Mills, incorporated; capital \$1,000,000; W. H. Slay, W. C. Durringer, John Griffin and R. C. Sweeney, 2740 Travis St., Fort Worth; G. L. Moody, Dallas. Company advises: Building principally of brick and concrete, approximately 90x500 ft., two or three stories for main building, erection expected to begin about Dec. 1st; no engineers or contractors employed.

Water Works

Ala., Attalla—Alabama Water Co., Albany, purchased five carloads pipe from Anniston Foundry Co., Anniston, for water works plant.*

Ala., Phenix City—City plans repairing, extending and enlarging water works system; votes Sept. 23 on \$125,000 bonds.

Ark., Ozark—J. A. Turner, John Dunn and Jerome Wilson have been named commissioners to supervise water works improvements.

Fla., Boca Raton—See Land Development.

Fla., Bradenton—Southern Utilities Co., 324 S. Pine St., making improvements to intake well on Manatee River, installing 2000 kw. turbine; equipment furnished by General Electric Co., Schenectady, N. Y.; work by Phoenix Utility Co., 71 Broadway, New York.*

Fla., Deland—See Land Development.

Fla., Groveland—City voted \$200,000 bonds, including \$45,000 for water works; \$10,000 for parks. Address City Clerk.

Fla., Haines City—See Land Development.

Fla., Jacksonville—City, Frank H. Owen, Commr. Public Utilities, is having plans prepared by Engineering Dept. for \$500,000 water project to include reservoir at MacDuff Ave. to hold 6,000,000 gals. water in reserve for emergencies; drill two wells and install 8,000,000 gal. pumping outfit.

Fla., Kendall—Dade County Commrs. will erect \$40,000 pumping station at county home under construction; Sandquist & Snow, Inc., estimating.

Fla., Kissimmee—See Land Development.

Fla., Lake Wales—See Land Development.

Fla., Lake Worth—City Commrs. let contract to The Grand Artesian Well Co. for boring two 16-in. wells, and to Worthington Pump & Machine Co., 115 Broadway, N. Y., for installing two pumps for new site of light and water plant; estimated cost \$17,285.

Fla., Lakeland—City voted \$625,000 bonds for extension water works system; J. L. Davis, City Clerk.*

Fla., Largo—City votes Sept. 8 on \$60,000 bonds to include \$40,000 for extending water mains; \$7000 for purchase and improvement of 4-acre tract for park and playground; \$3000 for garbage disposal, etc.

Fla., New Port Richey—City, Elroy N.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Avery, Mayor, receives bids Sept. 3 for sanitary sewer and water works system; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga. (See Machinery Wanted—Sanitary Sewer and Water Works System.)*

Fla., Okeechobee—City will construct 4080 ft. water main to Lake Okeechobee, where reservoirs and filtration plant are being built.

Fla., Orlando—See Land Development.

Fla., Pensacola—See Sewer Construction.

Fla., Tarpon Springs—City defeated \$525,000 bonds embracing \$400,000 for enlarging water plant; \$75,000 for additional sewerage, etc.

Ga., Thomson—City will extend water mains as follows: Lee St. to Lumpkin, Gordon St. to Cleveland, Cleveland to Whiteoak. Address City Clerk.

Fla., St. Petersburg—See Land Development.

Ky., Booneville—Rock Construction Co. has contract at \$31,020 for concrete reservoir, and at \$8598 for pumping station.

La., Kenner—Town votes Sept. 15 on \$100,000 bonds for water system. Address Town Clerk.

Miss., Bay St. Louis—City receives bids Sept. 5 for drilling two 4-in. artesian wells for use in connection with water works system. Address City Clerk.

Miss., Hattiesburg—See Land Development.

Mo., Jefferson City—Capital City Water Co. started construction \$125,000 filtration plant; three stories, 58x53 ft., reinforced concrete and brick, slate roof, tile corridor, 35.9 x49.6 ft. and contain six tubs each 11 ft. deep; 3,000,000 gal. per day, consisting of six 5-gal. filter beds to accommodate 3,000,000 additional capacity; The J. N. Chester, Engr., Union Bank Bldg., Pittsburgh, Pa.*

Okla., Nowkirk—City let contract to L. A. Gallelez Construction Co., Enld., for 750,000 gal. reservoir on E. 10th St.; H. E. Musson & Co., Engrs., 401 Grain Exchange, Oklahoma City.*

Mo., Portageville—City will soon start construction \$85,000 water and sewer system. Address City Clerk.

Mo., Puxico—See Flour, Feed and Meal Mills.

Mo., Willow Springs—City voted \$10,000 for additional water works; drill well. Address City Clerk.*

N. C., Elizabethtown—City—Utilities Comsn. plans expansion water system, including replacement thousands feet water mains with larger pipe, extension water lines, erection plant; cost about \$400,000; contemplates bond issue.

Okla., Elk City—City, Sam Brown, Mayor, let contract to The Standard Paving Co., Tulsa, at \$289,008.45 for water reservoir, impounding 90,000,000 gal. water; dam and spillway to be 1800 ft. long and reservoir covering approximately 70 acres.*

S. C., Rock Hill—City, W. P. Goodman, Mgr., plans enlargement water supply by addition of pump to increase flow to city through main from Catawba River by 250,000 gals. per day.

Tenn., Dickson—See Sewer Construction.

Tenn., Johnson City—City Council instructed water works department to enlarge water supply by securing springs 16 mi. from city, which will mean additional piping; Cleveland B. Coe, City Engr.

Tenn., Knoxville—City, Alexander Harris, Director of Public Works, plan following improvements for water system: Lay extensions on Payne and Pritchard Sts., Central Ave., Chicamauga Ave. between Metter St. and Central Ave. pike; Ledlow, Front and Caldwell Sts. between Freeman and Broadway, 15th St. between Clinch and Laurel Aves., Goodhill between Johnson and Sheridan Sts., Delwood Ave. in Vestal, 11th St. between Cumberland and Lake Sts., Freeman north of Ledlow, alleys between Freeman and Pine, Pine and Weaver, Weaver north of alley, Selmer Ave. at Ben Hur.

Tenn., Nashville—Board of Public Works will improve water works system; \$1,000,000 available.

Tenn., Watertown—City, W. J. Scott, Mayor, voted \$55,000 bonds for city water works system, to include steel or concrete reservoir with 225,000-gal. capacity; pump houses for power; install pump and fire equipment; Ambler Engineering Co., Engr., Old Dominion Bldg., Richmond, Va.*

Tex., Big Lake—City votes Aug. 29 on \$25,000 bonds. Address City Clerk.

Tex., Clarkwood—City has created the Neeces County Fresh Water Supply Dist. No.

1, propose pipe line from city limits connecting water main of Corpus Christi running from Calella, also pipe extensions in city limits; contemplate \$37,500 bond issue. Address City Clk.

Tex., Boerne—City, H. L. Davis, Mayor, plans construction water works system; contemplates bond election.

Tex., Cross Plains—Jno. W. Moore, Eastland, awarded contract at \$27,000 for laying 48,431 ft. water mains; Elrod Engineering Co., Engr., 3124 Main St., Dallas, and P. O. Box 104, Sweetwater.

Tex., Dallas—Smythe Construction Co. has contract at \$93,500 for clearing 4400 acres timber from river bottom to provide for reservoir; Callahan Construction Co., Kirby Bldg., constructing dam at cost \$2,000,000.*

Tex., Denison—City let contract to E. L. Martin for 780 ft. storm sewers; proposition handled by Missouri, Kansas & Texas Rwy. Co., H. E. McGee, Gen. Mgr., Denison, on Merick Ave.; C. E. Haydon, Engr., 200 South-olme St.

Tex., Florence—City will construct water works system; contemplates bond issue. Address City Clk.

Tex., Houston—City, O. F. Holcombe, Mayor, received low bid at \$103,500 from Davis, Pace & Co., 1306 1/2 Young St., Dallas, for construction reservoir for city water pumping plant; 175x175 ft., reinforced concrete, 4,000,000 gal. capacity; J. C. McVae, City Engr.*

Tex., Houston—City receives bids Aug. 31 for 15,000,000 gal. covered, reinforced concrete storage reservoir; cost \$200,000; J. C. McVae, City Engr.; Holway Engineering Co., Consulting Engr., New Wright Bldg., Tulsa, Okla.*

Tex., Mabank—City, J. W. Dyer, Mayor, selected Municipal Engineering Co., Pratt Bldg., Dallas, to prepare plans for water works system; cost \$60,000.*

Tex., O'Donnell—City defeated \$90,000 bonds for water and sewers.*

Tex., Grapeland—City plans water system; plans include well, fire plugs, etc. Address City Clerk.

Woodworking Plants

Ala., Albany-Decatur—Schaefer Manufacturing Co. of Franklin, Ind., organized with \$25,000 capital; will establish plant, manufacture chairs, settees, tables, etc.

Ga., Cuthbert—J. D. Gunn, Jr., of Jacksonville, Fla., and associates, acquired the Cuthbert Crate and Refrigerating plant; will install machinery for manufacture of crates; organize \$25,000 company.

La., Shreveport—Southland Furniture Co., Inc., capital \$20,000, chartered; W. W. Poland, 2427 Southern Ave.

Fla., Apopka—Millwork—The Apopka Novelty Works, J. O. Buck, Mgr., erecting plant west of Atlantic Coast Line tracks, between Fifth and Sixth St.; will install new equipment.

Va., Marion—Lincoln Furniture Manufacturing Co., Inc., C. C. Lincoln, Pres., increased capital, \$200,000 to \$500,000.

FIRE DAMAGE

Ala., Montgomery—Building on Bibb St., occupied by Well Bros. Rice Mercantile Co., and Hartwell Douglass, realtor and owner of building; loss \$10,000.

Ala., Birmingham—Portion of A. H. Abel's Wagon Co.'s plant, Eighth Ave. and Twelfth St., also adjoining buildings.

Ark., Fordyce—Arkansas Light & Power Co.'s plant; loss \$15,000.

Fla., Marco—Power house of Marco Hotel owned by W. G. Williams, 120 Broadway, New York.

Fla., Millville—St. Andrews Bay Lumber Co.'s plant; loss \$100,000.

Fla., Pensacola—Warehouse of Seaboard Air Line Rwy. Co.; Charles R. Capps, Vice-Pres., Norfolk, Va.; loss \$15,000.

Fla., Tampa—Hupmobile Automobile Agency, owned by Ray B. Cralle, 501 Washington St.; loss \$50,000.

Ga., Atlanta—Building, E. Mitchell St. near Whitehall St., occupied by Dr. J. Jensen; Atlanta Barber College, Jacob's Pharmacy, etc.; loss \$30,000.

Ga., Macon—Harry's Cafe, 315 Cherry St., Harry Cally, Propr., and Frances Hotel, 313 1/2 Cherry St., operated by A. E. Weems,

at 313-313 1/2 Cherry St.; building owned by H. Gordon, 205 New St.

Ga., Sparta—Maxwell Lumber Co.'s boiler room, shaying house and engine room; owned by R. L. Franklin.

Ga., Wrightsville—W. H. Lovett Lumber Co.'s planing mill and dry kiln; loss \$50,000.

La., Bossier City—Red River Lumber Co.'s planing mill; loss \$50,000.

La., Mansfield—W. J. Griffiths' sawmill at Howard Point; loss \$10,000.

Md., Frederick—Ridgewood public school, near Rocky Springs; address Frederick County Board of Education.

Md., Rockville—Otto Hewitt's residence near Norwood; loss about \$10,000.

Miss., Braxton—R. W. Patrick's residence, Main St.

Miss., Philadelphia—W. O. Williams' residence; Roman Catholic Church, address The Pastor.

N. C., Fayetteville—J. & N. Motor Co. and Fayetteville Vulcanizing Works on Gillespie St., also adjoining property; loss \$40,000.

N. C., Hiddenite—Davis Springs Hotel and buildings adjoining, owned by H. T. Kelly and S. T. Crowson, Taylorsville; loss \$40,000.

N. C., Kinston—Central Tobacco Warehouse; loss \$100,000.

N. C., Wilmington—Warehouse of Worth & Co.; loss \$25,000; R. R. Stone rosin yards on Eagle Island.

N. C., Wilmington—Building occupied by Northern Fruit Co. and Brinkley & Grant, Grace St.; loss \$35,000.

Okla., Muskogee—Oklahoma Rig & Supply Co.'s plant, 315 Metrop St.; loss \$34,000.

Tenn., Chattanooga—Residences of D. S. Bracken, 3829 Kland Ave., and Mrs. Anna Olgiati, near 38th St. and Highland Ave.; loss \$10,000.

Tenn., Copper Hill—Center & Abernathy's furniture and hardware store, W. H. Chaney Co., Bonita Theater, Collector's News Stand, R. & C. Pool Room, Wilson's Millinery Store, Tankersley's meat market, Malonof Building; loss \$500,000.

Tenn., Erin—Leonard E. Mathis' residence near Erin.

Tenn., Johnson City—Saw mill and portion of warehouse of the Southern Bending Co.; loss \$50,000.

Tenn., Knoxville—Coster shops of the Southern Railway Co., 60 South Gay St., including planing mill, coach and freight car repair shops, portion of paint shop; loss \$250,000. Address main office, 1300 Pennsylvania Ave., Washington, D. C.

Tenn., Nashville—Building at 3211 Fourth Ave., South, Radnor Heights, owned by J. D. Petty and H. F. Baker, 92 Monroe St., occupied by J. D. Petty grocery, Byron Hardware Co., E. B. Hopper barber shop, E. G. Vester ice house; loss \$15,000.

Tenn., Winchester—Centennial school building in Goshen community. Address Franklin County Board of Education.

Tex., Austin—Wilys-Knight-Overland, 305 E. Fifth St., automobile agency; loss \$50,000.

Tex., Austin—Nalle Lumber Co., 601 E. Sixth St., yard at Fifth and Sabine St.

Tex., Dallas—Geo. K. Butcher's residence, Cabell Drive; loss \$10,000.

Tex., Gollad—Two buildings owned by J. G. Patton, two by W. F. Heinrich of Yorktown and one by Phil Campbell; loss \$50,000.

Tex., Greenville—W. N. Miller's residence, Mineral Heights section.

Tex., Harlandale—Ku Klux Klan Hall; D. L. Stamp's printing office; F. A. Carlson's gen. merchandise store; total loss about \$16,000.

Tex., Jefferson—Jefferson & Northwestern Railway Co.'s machine shops, loss between \$30,000 and \$40,000; owned by the Clark & Boice Lumber Co.

Tex., Lubbock—Grandstand at Merrill Park, owned by M. E. Merrill.

Tex., San Angelo—Landon Hotel; loss \$150,000. Address the proprietor.

Tex., Sulphur Springs—Freight house and passenger station of Louisiana Railway & Navigation Co.

Tex., Temple—Wilcox and Slocovlitch Buildings, occupied by Texas Publishing Co., Automobile Red Book Publishing Co., Charles Kaase Grocery No. 1, Eagle Baker and offices.

Tex., Travis—J. W. Ratliff store, post office and other buildings; loss \$25,000.

Va., Altavista—Building No. 2 of Lone

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Co.'s cedar chest plant; loss between \$25,000 and \$30,000.

Va., Richmond—Building at 2416 Virginia St., occupied by Etchison Hat Co. and Thomas Adkins Co.

W. Va., Martinsburg—Ben J. Thompson's store; loss \$25,000.

W. Va., Parkersburg—Strand Theater building, 422 Market St.; loss \$50,000. Address the owner.

Damaged by Explosion

Mo., Kansas City—Hotel at 918 Wyandotte St., John Craig, Mgr.

Mo., Kansas City—Gottlieb Menkin's residence under construction, Country Club district; loss \$40,000.

Damaged by Storm

Ark., Rogers—Gold Smelting plant owned by Kruse Brothers; loss \$10,000.

Tex., Hemphill—Temple Lumber Co.'s mill and residence and adjoining property; loss \$20,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Fla., Marianna—Chamber of Commerce and Ancient, Free and Accepted Masons, planning erection of 100-room combined hotel and Masonic Temple. (See Hotels and Apartments.)

La., Plaquemine—Plaquemine Council No. 970, K. of C., plans building.

Md., Baltimore—Patriotic Order Sons of America, care Geo. Selpe, Furniture Dept., Stewart & Co., plans building; site not decided.

Mo., St. Louis—Home Association of Queen's Daughters, Mrs. A. M. Butler, Chmn., Board of Directors, 3730 Lindell Blvd., broken ground for \$200,000 girls' home; 4 stories, 120x213 ft., Carthage stone; 125 rooms, gymnasium, auditorium; Henry P. Hess, Archt., 1237 N. Taylor St.; International Engineering & Supply Co., Heating, Vent. Engr., 604 Olive St.*

Tenn., Nashville—Negro Masonic Grand Lodge of Tennessee, 416 Fourth Ave., North, completed plans for \$100,000 headquarters bldg., 4 stories.

Tex., Madisonville—Ancient Free and Accepted Masons erect \$150,000 temple; 2 stories, brick and concrete.

Va., Danville—Young Men's Christian Assn., A. B. Carrington, member Bldg. Comm., 622 Holbrook Ave., probably call for bids within 2 weeks for remodeling and addition to building; cost \$75,000; Heard & Chesterman, Archts., Masonic Temple Bldg., completing plans.*

West Virginia—Grand Lodge, Knights of Pythias, 364 High St., Fairmont, plans orphans' and widows' home; location not decided.

Bank and Office

Fla., Center Hill—Central Bank of Sumter Co. plans building; probably 3 stories.

Fla., Coconut Grove—Irving J. Thomas Co. will erect 26x16 ft. stucco addition to office building, Ingraham Highway; Kiehnel & Elliott, Archts., Central Arcade, Miami.

Fla., Coral Gables—W. P. Laidlaw and Herbert Southworth, Contr., Miami, will erect \$50,000 Laidlaw Bldg., Ponce de Leon Blvd. and Avenue Majoreca; 18 offices.

Fla., Deland—Florida Land Investors Co., erect bank. (See Buildings Proposed—Miscellaneous.)

Fla., Fort Lauderdale—Triangle Realty Co. erect \$125,000 office building, Andrews Ave. and Wall St.; 3 stories, 50x135 ft., Spanish type; company also erecting \$125,000 Central Arcade building, lately noted.

Fla., Hollywood—Hollywood Land & Water Co. will erect \$75,000 building, Hollywood Blvd.; 3 stories, Spanish type; stores on first floor, offices above; Rubush & Hunter, Indianapolis, Ind., and Hollywood.

Fla., St. Petersburg—N. E. Jones, Realty Bldg., will erect \$500,000 building, Sixth St. and First Ave., South; Italian type, stone, 8 stories; store arcade on first floor, offices above; Lester Avery, Archt., and Olin H. Round, Asso. Archt.

Fla., Tampa—Guaranty Title Co., Marlon and Twigg Sts., P. R. Robin, Pres., will erect \$1,000,000 office building, Lafayette St.; 13 stories; work to start June, 1926.

Fla., Tampa—Builders Exchange, Carl Fisher, Sec., Shell Point Road, contemplates 12-story building.

Fla., Winter Haven—Realty-Commerce Corp., temporary pres., Fred E. Hall, Pres.

Winter Haven Real Estate Board, plans to incorporate at \$75,000 to finance 4-story store and office building, Sixth and Oak Sts.; cost \$10,000; to be operated by Real Estate Board and Chamber of Commerce, former lately noted to erect building.*

Ky., Paducah—Jake Rosenfield is remodeling 3-story brick and stone building, 431 Broadway.

La., New Orleans—A. F. Commagere, 910 Gravier St., Ernest M. Loeb, 618 Magazine St., New Orleans, and S. Scott Joy, Archt., 2001 W. Pershing St., Chicago, Ill., members of syndicate to erect \$1,500,000 Pere Marquette store and office building, Baronne and Common Sts.; plans ready for bids about Sept. 1; plans by Mr. Joy; Wm. E. Spink, Asso. Archt., Canal-Commercial Bldg., New Orleans.

Md., Essex—Essex Bank, care Daniel Weber, erect cinder block and stucco bank building, Main Highway; 1 story, 57x30 ft.; Alfred C. Leach, Archt., 411 N. Charles St., Baltimore; take new bids about Sept.*

Miss., Gulfport—Grayson & Co. Incorporated; Thos. J. Grayson, Pres., Pass Christian; will erect \$30,000 office building.

Mo., Kansas City—Agee-Block Realty Co., Commerce Bldg., and David E. Long, 616 Commerce Bldg., reported to erect 10-story addition to office bldg., 14th and Walnut Sts.; Greenebaum, Hardy & Schumacher, Archts., Scarritt Bldg.

N. C., New Bern—Jack Hellinger, N. E. Mohr and others, promoting erection of 3-story and basement brick building; stores on first floor, offices on second, lodge rooms on third.

S. C., Prosperity—Bank of Prosperity probably have plans by Lafaye & Lafaye, 1224 Sumter St., Columbia, ready for bids in 2 weeks; brick, vault.*

Tenn., Nashville—Berry Realty Co. receives bids Sept. 10 at office C. K. Colley & Co., Archts., 310 Fourth & First National Bank Bldg., for 20-story office building, 148 Sixth Ave., North; cost \$500,000, 50x42 ft., steel and concrete, stone and brick front, elevators; 7 to 9 offices on each floor. (Lately incorrectly noted receive bids Sept. 20.)*

Tex., Beaumont—H. M. Hargrove, 1414 Broadway, erect \$65,000 store and office bldg., Orleans St., near Bowie St.; common and face brick and tile, 3 stories, 60x145 ft., Barrett specification roof.

Tex., Edinburg—A. Y. Baker & Co. will erect \$45,000 bank and office building; brick, reinforced concrete and cast stone, fireproof, 3 stories; Stebbins & Waters, Archts., Westaco; ready for bids about Sept. 10.

Tex., San Antonio—Drs. Ferdinand Herff, W. M. Wolfe, and others, Citizen National Bank Bldg., will erect \$150,000 medical office and clinic bldg., Jefferson St., near Pecan St.; 3 or 4 stories, 60x90 ft., reinforced concrete, cut stone, stucco and tile; soon select architect.

W. Va., Huntington—H. E. Hines, 940 Fifth Ave., and E. C. Hines will erect \$350,000 three-story office and garage building, Fifth Ave., near Ninth St.; 60-ft. office section foundation to permit 13 additional stories, 125-ft. garage section 5 additional stories; steel skeleton, reinforced concrete and stone, fire and soundproof; stores on first floor; Meador & Handloser, Archts., Robson-Prichard Bldg.; plans probably ready within 30 to 60 days.

Churches

Fla., Center Hill—Baptist Church plans building, Florida Ave. and King's Highway. Address The Pastor.

Fla., Center Hill—Methodist Church will erect \$25,000 building, Magnolia Ave. and Jefferson St.; tile and brick veneer, seat 500. Address The Pastor.

Fla., DeLand—Methodist Episcopal Church, South, E. Rich Ave., plans building, Clara and Wisconsin Aves. Address The Pastor.

Fla., Miami—Temple Israel, Joe Jasin, Rabbi, N. E. 14th St., will erect synagogue.*

Ga., Atlanta—Capitol View Baptist Church, Beattie and Genesee Sts., Rev. W. Lee Cutts, Pastor, will erect building, Dill and Stewart Aves.; ground broken.

Ga., Thomasville—First Presbyterian Church plans \$30,000 to \$40,000 Sunday school. Address The Pastor.

La., New Orleans—Carrollton Presbyterian Church receives bids Aug. 29 for alterations and addition to Sunday school, Carrollton Ave. and Panola St.; cost about \$10,000; W. W. Van Meter, Archt., Balter Bldg.

La., New Orleans—Rev. Francis Badeaux, Rector St. Ann's R. C. Church, advises \$250,000 shrine will not be erected before 1930.

Md., Chevy Chase (Branch Washington, D. C.)—Blessed Sacrament R. C. Church, Rev. T. C. Smyth, Pastor, 3733 Chevy Chase Pkwy., Western Ave. and Quesada St., Washington, erect \$200,000 church; 1 story and basement, 139x75 ft., stone; Maginnis & Walsh, Archts., 100 Boylston St., Boston, Mass.; Murphy & Olmstead, Asso. Archts., 1413 H St., N. W., Washington; reported receiving bids.

Miss., Amory—Christian Church is erecting \$30,000 building. Address The Pastor.

Miss., Fulton—Presbyterian Church will erect building. Address The Pastor.

Mo., Cape Girardeau—First Baptist Church, W. C. Ballard, Chmn., let contract about Sept. 15 for building; excavating; R. K. Knox, Archt., 424 H-H Bldg.*

S. C., Mount Holly—Methodist Church let contract in few days for Colonial type building; red brick, native rock to first floor; auditorium seat 350; Walker & Hunter, Archts., Charlotte, N. C.

Tenn., Vestal (Mail Knoxville)—Jones Chapel M. E. Church, Martin Pike, plans \$40,000 to \$50,000 brick building. Address Rev. G. T. Francisco, Pastor.

Tex., Dallas—East Grand Avenue Baptist Church, Rev. H. E. Fowler, Pastor, broken ground for \$40,000 Sunday school unit, Philip St. and Graham Ave.; brick, 3 stories, 95x67 ft.; \$40,000 main auditorium later.

Tex., Italy—First Presbyterian Church soon take bids on hollow tile and stucco building; 2 stories, asphalt shingle roof, I-beams, hot blast heat, cost \$20,000; Clarence C. Bulger, Archt., 402 Praetorian Bldg., Dallas.

Tex., Raymondville—Methodist Church, care Prof. R. A. Holder, plans \$40,000 building.

Tex., Sabinal—Baptist Church have completed plans about Aug. 28 for frame and brick veneer building; 1 story, balcony and basement; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio.

City and County

Fla., Arcadia—City Council, D. G. Barnett, Pres., receives bids Aug. 27 for 2-story hollow tile and stucco Spanish type city hall and fire station building; hang-over roof; plans and specifications from J. B. McCrary Engineering Corp., Atlanta, Ga.

Fla., Avon Park—City, G. L. Crews, Mayor, to receive proposals from architects for building city hall, fire dept., etc.; cost about \$39,000.*

Fla., Groveland—Town voted \$100,000 bonds, including \$15,000 for town hall. Address Town Council.*

Fla., Largo—City votes Sept. 8 on \$10,000 bonds for fire station and site. Address City Council.

Fla., Miami—Dade County Commissioners, J. D. Redd, Chmn., receive bids Sept. 15 on following sub-contracts for courthouse and city hall building, W. Flagler St., N. W. Miami Court, N. W. First St. and N. W. First Ave.: 1. Footings and foundations of reinforced concrete and steel; 2. Waterproofing and damp-proofing; 3. Steel frame complete; 4. Tile and concrete floors, slabs and concrete and tile fireproofing; 5. Terra cotta or stone exterior and backing; 6. Steel window frames and glazing; 7. Sheet metal work and roofing; structure \$2,250,000, steel frame, 3-story base and basement about 168x168 ft., surrounded by terrace; sub-base about 138x138 ft., 4 stories high, surmounted by 78x78 ft., 18-story tower surmounted by stepped pyramid about 50 ft. high; plans and specifications from A. Ten Eyck Brown, Archt., and Aug. Geiger, Asso. Archt., Nos. 8-9 Hippodrome Bldg., Miami, or 717-20 Forsyth Bldg., Atlanta, Ga.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Punta Gorda—City votes on \$150,000 bonds including bonds for city hall, Marion Ave. and Harvey St. Address City Commissioners.

Fla., Wewahatchka—Gulf County Commissioners plan county buildings; soon start work on 2-story brick courthouse.

La., Vinton—Town, Athan Perry, Mayor, will erect 2-cell brick jail; electric lights.

Md., Annapolis—City, Addie R. Tongue, City Clk., advises no equipment or additions to Police Headquarters.

Mo., Farmington—St. Francois County voted \$250,000 bonds for fireproof courthouse. Address County Commrs.

N. C., Gastonia—Gaston County Commissioners having plans drawn by White, Streeter & Chamberlain for additional cells, dining hall and runway at county jail.

Tenn., Chattanooga—Eugene J. Bryan, Commr. Department of Public Utilities, Grounds and Buildings, receives bids Aug. 25 for skating rink building, Warner Park; plans and specifications seen at office Commr. and had from Clarence T. Jones, Archt., 1220 James Bldg.

Tex., Breckenridge—Stephens County, J. W. Hill, Judge, receives bids Oct. 12 (extended date) for 5-story and basement courthouse and jail building; cost \$400,000 to \$500,000, brick, stone and reinforced concrete, Corinthian classic type, 160x180 ft., limestone and terra cotta, quarter sawed oak and black walnut interior trim, 8-ft. marble wainscoting in corridors and main stairs, 2-in. Ohio Flint tile corridor floors, other floors battleship linoleum and maple; elevator; plans and specifications at office David S. Castle Co., Archts., 20 Radford Bldg., Abilene and 1005 Mercantile Bank Bldg., Dallas.

Tex., Corsicana—Navarro County Commissioners Court, Warren Hicks, County Judge, ready for bids on jail; L. J. White, Archt., San Antonio.

Tex., Marshall—Harrison County Commissioners, John W. Scott, County Judge, receives bids Sept. 14 (latest noted Sept. 15) at office architect for fireproof jail; 2 stories, 35x52 ft., brick, 42 cells, wards for juvenile, sick and insane.

Tex., San Antonio—Bexar County, Augustus McCloskey, County Judge, votes Sept. 19 on \$1,400,000 courthouse bonds and \$50,000 for home for delinquent boys; A. Pancoast, County Engr.

Tex., San Antonio—City, John W. Tobin, Mayor, receiving bids (date of closing not set) for first unit museum building, San Pedro Park; 2 stories, concrete and rubble stone, cost about \$25,000; 2 additional units to follow, cost \$75,000; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg.

Tex., San Antonio—City, John W. Tobin, Mayor, receives bids Sept. 7 for 1500 folding assembly hall chairs and 5000 opera chairs for municipal auditorium.

Tex., Waco—City, V. G. Koch, City Engr., reported to erect \$500,000 municipal building; 4 stories, brick and concrete.

Va., Danville—Chamber of Commerce interested in erection of municipal market.

Dwellings

Ala., Birmingham—C. H. McConlin will erect \$11,000 residence, Clairmont Rd.; 2 stories, brick.

Ala., Birmingham—C. E. Humes will erect \$11,000 residence, 24th St. and Melrose Place, South.

D. C., Washington—Geo. N. Ray, 1211 Connecticut Ave., N. W., drawing plans for \$75,000 residence; 2½ stories, 60x30 ft., brick, hollow tile and stucco.

D. C., Washington—Shannon & Luchs, 713 Fourteenth St., N. W., will erect 6 dwellings, 1327-37 Ingraham St.; 2 stories, 24x37 ft., brick and frame; total cost \$81,000.

D. C., Washington—Judge N. C. Elliott, Massachusetts Ave., N. W., erect \$40,000 residence and garage; Georgian type, brick and hollow tile, 2½ stories and basement, 50x66 ft.; Eugene Bradbury, Archt., National Bank Bldg., Charlottesville, Va.

D. C., Washington—Rodier & Kundzin, 1707 Eye St. N. W., drew plans for \$25,000 Italian type dwelling, Tracy Place near Belmont St., N. W.; hollow tile, 2 stories.

Fla., Bartow—R. W. Robnett will erect dwelling.

Fla., Bartow—W. H. Swan and associates will erect number dwellings, connection with development Westover Park.

Fla., Bartow—R. Borden Wilson, Vice-Pres. Chamber of Commerce, plans several dwellings.

Fla., Bartow—John Gaskins erect \$20,000 residence, Bartow-Lakeland Rd., Verona Park subdivision.

Fla., Clearwater—Edwin Rolf Dean, Holyoke, Mass., plans residence.

Fla., Coral Gables—W. P. Laidlaw will erect \$15,000 residence, Avenue Majorca; one story.

Fla., Coral Gables—Mrs. Kate C. Hardeeman, 106 S. E. 2nd Ave., will erect \$15,000 residence, 1107 Madrid St.; Spanish type, concrete blocks, Cuban tile roof; Geo. H. Thayer, Archt.

Fla., Coral Gables—H. J. Henje will erect \$18,000 residence, 701 Avenue Minorca.

Fla., Coral Gables—Rocca & Walter will erect 1-story dwelling, 1209 Avenue Mariana.

Fla., Coral Gables—P. O. Rogers will erect residence, 724 Avenue Majorca; cost about \$10,000.

Fla., Coral Gables—New Winder Lumber Co. will erect \$23,000 dwelling, 911 Avenue Anastasia; 2 stories, tile and other floors, 2-car garage with servants' quarters; C. P. Paschal, Archt.

Fla., Daytona Beach—Geo. H. Millman and Son, North Tonawanda, N. Y., plan 12 dwellings.

Fla., Daytona—Reginald W. Geare, Archt., Woodward Bldg., and Geo. W. Kirkpatrick, Bldg., Washington, D. C., will erect number of \$12,000 to \$18,000 dwellings, Ortona.

Fla., Daytona Beach—J. C. Jones, President Emeritus, University of Missouri, Columbia, Mo., will erect residence, Daytona Highlands.

Fla., Daytona Beach—Mrs. Lewella Moss, President Emeritus, Christian College for Women, St. Louis, Mo., will erect residence, Daytona Highlands.

Fla., DeLand—Florida Land Investors Co. erect dwellings in units of 5. (See Buildings Proposed—Miscellaneous.)

Fla., DeLand—H. W. Prael, A. W. Mitchell and W. J. Sessinghaus, all Erie, Pa., purchased 80 acres and will erect 50 dwellings.

Fla., Haines City—Gulledge Lumber Co., R. E. Gulledge, Pres., erecting 25 dwellings for white and 60 for colored in connection with mill town development.

Fla., Leesburg—Chamber of Commerce interested in erection of 50 bungalows on city property, Dozier Ave.; cost about \$250 each.

Fla., Miami Beach—Peck & Hiller, Bldrs., will erect two \$26,000 dwellings; 12 rooms, garage.

Fla., Miami Beach—E. H. Fickinger will erect \$12,000 residence near Sunset Lake.

Fla., Miami Beach—Carl G. Fisher, Lincoln Rd., will erect 50 dwellings for workmen, others to be erected as needed.

Fla., Miami Beach—Milford T. Rose will erect \$10,000 residence and garage.

Fla., Miami Beach—Frank Stewart, A. B. McGrew, Jr., both Pittsburgh, Pa., and others, will erect number dwellings.

Fla., Miami—Jas. A. Rougan, Bay Ridge, Brooklyn, N. Y., will erect residence, adjoining Coral Gables.

Fla., Orlando—R. G. Foster, Fairville, will erect residence, Maxwell Ave.

Fla., Sarasota—J. G. Whitfield, Springhill, Tenn., and Sarasota, plans \$65,000 residence, Bay Haven.

Fla., Sebring—Dr. W. C. Weber, Rose Bldg., Cleveland, Ohio, purchased 5 lots, Lakeview Place; erect dwellings.

Fla., Sebring—J. P. Sugrue let contract for Spanish type bungalow and garage, State Highway, Dinner Lake.

Fla., St. Cloud—Leon D. Lamb plans 10 dwellings.

Fla., St. Petersburg—Booth & Jolly will erect 5 dwellings, 4500 block, 24th Ave., South, 1 story, hollow tile; cost \$6000 each.

Fla., West Palm Beach—City Commission, C. A. Bingham, City Mgr., will erect 48 dwellings, city property, Belvedere Rd.; total cost about \$80,000.

Fla., Winter Garden—Roy R. Roper will erect 12-room, hollow tile and stucco residence, N. Highland Ave.; drawing plans.

Ga., Atlanta—Mrs. J. M. Johnstone will erect \$10,000 brick veneer residence, 124 Hurt St.; 1 story.

Ky., Hazard—Billie Baker erect several dwellings, Karles Addition; contract in 10 days.

Ky., Louisville—Kentucky Realty Co., will erect 6 dwellings, 1507-15 Catalpa St.; cost \$2500 each.

Ky., Louisville—C. Robt. Peter, Realty Bldg., will erect 6 frame dwellings, 1200 block, Crown Ave.; cost \$4000 each.

Ky., Louisville—Mark Wakefield will erect \$12,000 residence, 2324 Santiago Drive.

Ky., Paducah—A. D. Hefflin erect 2-story frame residence, S. 17th St.

Ky., Paducah—Herbert Melton, Davis Apts., erect Spanish type residence, Cairo Rd. near Paducah.

Ky., Paducah—B. E. Miller erect Colonial bungalow, Avondale Heights.

Ky., Sergeant—W. B. Webb erect residence; contract within 10 days.

La., Metairie—Following to erect dwellings, Country Club Gardens; cost not less than \$6000 each: R. F. Anderson; R. Ramelli, 7931 Fig St.; Wm. Quinn, 2800 Broadway; L. J. Pies, 2433 States St.; Geo. Y. White, 2902 Palmer Ave.; E. Patterson; Geo. Lartigue, 4523 Palmyra St.; P. Randozza, F. S. Picheloup, 217 S. Pierce St.; E. Rodrigue, 305½ S. Hennessy St.; H. M. Nolan, 4304 Prytania St.; L. Bischof; L. V. Huber, Nell Carrigan, 2315 Ursilene St.; Marc Beekman, 2900 St. Charles St.; C. E. Herndon, 8215 Birch St.; Marc Lazaro, 106 Park Row; A. C. Williamson, 540 Camp St.; Paul L. Dupas, Metairie Ridge; A. L. Smith, 228 S. Hennessy St.; A. L. Shepard, 1322 Adams St.; W. J. Quick, J. H. Randolph; Mrs. E. Beachoup, Mrs. A. Hyman, 1635 Sixth St.; J. G. Beasley, 6147 Catina St.; F. S. Drumm, 305 Oliver St.; F. P. Bensel; W. S. Patrick, Jos. Sullivan, 2011 Pine St.; A. F. Lerner; all New Orleans.

La., New Orleans—B. Segal, 1735 Carondelet St., plans buildings, Louisiana Avenue Pkwy. near Galvez St.

La., New Orleans—J. Stahl, 1632 Thalia St., will erect 2 raised bungalows, Calhoun and Palmer Sts.; total cost \$10,000.

La., New Orleans—David Paillet, 449 S. Rampart St., plans duplex, Gen. Pershing St. near Dannel St.

La., New Orleans—M. H. Goldstein, Hibernia Bldg., will erect \$14,000 residence, 516 Audubon St.

La., New Orleans—A. Goodman, 2819 Carondelet St., receives bids Aug. 28 for alterations and additions to residence; Lockett & Chachere, Archts., 521 Baronne St.

La., New Orleans—J. B. Jinks will erect 5 double cottages, N. Galvez and Marigny Sts.; composition roofs; total cost \$10,000.

La., New Orleans—O. P. Mohr, 202 Carondelet St., drawing plans for \$15,000 duplex, Chestnut and Henry Clay Ave.

La., New Orleans—A. T. Silvere, 736 Carondelet St., receiving bids for 2 duplexes, Du Maine St. and Picheloup Place, for Peter Pizati and S. Caro; frame and stucco, slate roofs, metal garages.

La., New Orleans—P. J. Stakelum, 4425 S. Galvez St., plans raised bungalow, S. Miro St., near Upperline St.

La., New Orleans—Bernard Zoller, 223 Baronne St., receiving bids on double 5-room raised bungalow, Soniat St., near Rampart St.

Maryland—Beverly Beach Development Co., Wm. Kalb, Pres., 1131 Columbia Ave., erect number of dwellings, Beverly Beach; Walter Rose, Archt., Harlem Ave.

Md., Baltimore—Lewis W. Lake, Calvert Bldg., erect residence, Underwood Rd. near Highfield St.

Md., Baltimore—Theo. K. Miller, 3900 University Pkwy. and 39th St., erect tile and stucco residence, Stafford Rd. and St. Paul St.; 2½ stories; Laurence Hall Fowler, Archt., 327 N. Charles St.; C. L. Reeder, Mech. Engr., 916 N. Charles.

Md., Baltimore—Saml. Kramer, 120 E. Wylie Ave., will erect 4 brick dwellings, Edgcomb Circle near Pall Mall; 2 stories; total cost about \$10,000.

Md., Baltimore—Henry Cook, 3005 N. Calvert St., will erect 6 brick dwellings, N. E. cor. Presstman and Friendship Place; 13x42 ft., Carey roofs, steam heat; total cost \$10,000.

Md., Baltimore—Stephen P. Harwood, 10 E. Fayette St., will erect 9 brick dwellings, Stepham St.; 2 stories; total cost \$25,000.

Md., Baltimore—Jay Realty Co., 5301 Maple Ave., will erect 12 brick dwellings, 3001-23 Ridgewood Ave.; 2 stories; total cost about \$30,000.

Md., Baltimore—Geo. W. Schoenhals & Co., Munsey Bldg., will erect 36 dwellings, 2000 and 2100 blocks Whittier Ave. and 2400 block N. Pulaski St.; 2 stories, brick; total cost about \$100,000; owner builds.

Md., Frederick—Mrs. Richard Nallin erect 2 dwellings, Eastern Ave.

Miss., Biloxi—Cozy Home Builders erect number bungalows.

Miss., Braxton—R. W. Patrick reported to rebuild residence noted burned.

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Miss., Gulfport—Edgewater Gulf Development Co., A. L. Jagoe, Treas., erect dwellings in connection with development. (See Buildings Proposed—Hotels and Apartments.)

Mo., Caruthersville—Robt. L. Ward erect \$17,000 residence and garage; 2 stories, 35x49 ft., stucco, hollow tile and brick; H. H. Hohenschild & Co., Archts., Buder Bldg., St. Louis.

Mo., Cape Girardeau—C. C. McSpadden plans residence, N. Henderson Ave.

Mo., Clayton (Ind. Branch St. Louis)—John Elmg, 5834 Theodosia St., erect 2 brick dwellings, Natural Bridge Place; 26x30 ft.; total cost \$10,000.

Mo., Kansas City—Arthur G. Black, 1320 Commerce Bldg., will erect residence, 849 W. 63rd St.; 2 baths, 2-car garage; Buckley & Van Brunt, Archts.

Mo., Kansas City—Harry H. Hawke and Norman B. Comfort to start \$750,000 building program, Fair Oaks Estates, Picardy and Clermont.

Mo., Kansas City—H. M. Fleming, 811 Continental Bldg., erect residence, 5520 Highland Ave.

Mo., Kansas City—L. F. Brady, 423 E. 61st St., erect 5 dwellings, 6121-25-28-29-32 Holmes St.; total cost \$15,000.

Mo., Kansas City—Maude Neal, 4119 Kenwood St., erect duplex, 4816-18 Jarboe St.; also frame dwellings, 2317 Poplar Ave.; total cost \$25,000.

Mo., Kansas City—J. C. Wirthman, 3100 Troost St., erect \$10,000 brick residence, 3433 Troost Ave.

Mo., Kansas City—Chas. A. Lyon erect residence, 65th St.

Mo., Kansas City—Elijah Talley erect residence, Oakley Ave.

Mo., Kansas City—Dr. E. M. Hetherington, 3531 Main St., erect residence, Ward Pkwy.

Mo., Kansas City—W. J. Gladish, 4971 Westwood Terrace, erect residence, 61st Street Terrace.

Mo., Kansas City—R. L. Willis, 5037 Michigan St., will erect 10 dwellings, 5126-30-34-36-38-42-46-50-54-56 Brookwood St.; total cost \$31,500.

Mo., Kansas City—Geo. Boden, 3611 Indiana St., will erect 12 dwellings, 3228-29-31-32-34-35-38-39-40-41-44-45 Cypress St.; total cost \$36,000.

Mo., Kansas City—L. K. Hollyman will erect 7 dwellings, 3000-02-06-08-12-14-16 E. 69th St.; total cost \$21,000.

Mo., Kansas City—Quincy Realty Co. will erect 4 dwellings, 4200-02-06-08 E. 58th St.; total cost \$10,000.

Mo., Republic—Dr. E. L. Beal starts work Sept. 1 on brick veneer residence, Main St.; 2 stories, 33.6x51 ft., hardwood floors, concrete foundation, French tile roof, cost \$8000 or \$9000, furnishings, equipment, etc., \$3000. Address Geo. F. Reed, Archt., 757 E. Elm St., Springfield.*

Mo., St. Louis—L. A. Bland erect residence, 37th St.

Mo., St. Louis—E. J. McGroarty, 3919-A Sullivan Ave., erect \$55,000 residence and garage, 7700 Lansdowne Ave., Shrewsbury Park; brick, 1 story and basement, 30x39 ft.; Vincent J. Schulte, Archt., 4625 Page Bldg.

Mo., St. Louis—Frank Missina, care J. Hall Lynch & Sons, Archts., Dolph Bldg., erect \$20,000 residence, Waterman Ave.; 2 stories and basement, 30x32 ft., brick.

Mo., St. Louis—J. M. Merz, Pres. Winter Langeneckert Folding Box Co., 2326 Compton Ave., erect \$18,000 residence, Hawthorne Blvd., Compton Heights; brick, 2 stories and basement, 27x42 ft.; Albert Osburg, Archt., 3654 Meramec Ave.

Mo., St. Louis—Better-Built Home & Mortgage Co., Carlton Bldg., erect 5 dwellings, North-Pointe addition.

Mo., Webster Groves (Ind. Branch St. Louis)—Davis Realty Co., 11th and Locust Sts.; erect \$35,000 duplex, Davis Place; 2 stories and basement, 76x38 ft., stucco and tile; W. P. Manske, Archt., 410 N. Euclid Ave., both St. Louis.

N. C., Asheville—Dr. Thos. Stringfield, Pres., Citizens Bank & Trust Co., Waynesville, will erect residence, Walnut Ave.

N. C., Charlotte—F. G. Cobb, Lancaster, S. C., will erect frame negro tenements; 1 story, 4 rooms, wood floors, brick foundations, composition roofs; materials purchased; F. E. Harlan, Archt.*

N. C., Greensboro—Miss Selma Lamb, N. Elm St., probably erect residence, Country Club Drive, Irving Park.

N. C., Greensboro—L. C. McCabe plans

residence, High Point Rd.

N. C., High Point—Rev. Lloyd T. Wilson, Pastor, First Baptist Church, advises not erect parsonage for year or two.*

N. C., High Point—Hiram Armentrout will erect \$10,000 six-room dwelling, Edgedale Ave.

N. C., High Point—Jim Lyon will erect \$10,000 residence, Edgedale Ave.; 7 rooms.

N. C., High Point—D. R. Parker will erect \$10,000 residence, Woodbrook Court; 7 rooms.

Okla., Oklahoma City—G. A. Nichols, 5115 N. Harvey St., erect 9 dwellings, 500 and 700 blocks W. 33rd St., 2052 W. 21st St. and 1928 N. Indiana Ave.; total cost about \$40,000.

S. C., Columbia—Mrs. L. L. Bultman, 1703 Main St., will erect 2-story brick residence, Blanding St.; Arthur W. Hamby, Archt., 1422 Main St.

S. C., Sumter—Geo. L. Ricker will erect Spanish type residence; stucco and tile, tile roof; Lafaye & Lafaye, Archts., 1224 Sumter St., Columbia, receives bids Sept. 15.

Tex., Arlington—Prof. Henry M. June, A. & M. College, College Station, preparing plans for \$10,000 Dean's residence, North Texas A. C. Campus; brick.

Tex., Beaumont—J. D. Birdwell, 2278 Liberty St., care Gulf Lumber Co., erect \$15,000 residence; brick veneer, 2 stories, 9 rooms; Livesay & Wiedemann, Archts., 607 San Jacinto Life Bldg.

Tex., Cuero—Mrs. Cora McCrabb will erect residence, Esplanade St.

Tex., Dallas—Mrs. Lucille A. Arthur will erect \$10,000 cottage, 3808 Turtle Creek Blvd.; 7 rooms, stone.

Tex., Houston—Mrs. Ed Corrigan, 4104 Garratt St., erect \$20,000 brick veneer duplex, Alameda Blvd., and Arbor St.

Tex., San Antonio—G. J. Aubin, 618 Trenton Ave., will erect \$20,000 residence, Fredericksburg Rd., near Babcock Rd.; 2 stories, brick, hollow tile and reinforced concrete; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg.

Tex., San Antonio—Carvel & Co., First Natl. Bank Bldg., will erect 3 dwellings, Mary Louise Drive; 8 rooms, cost \$10,000 each.

Tex., San Antonio—A. F. Gilliam, 330 W. Grammercy Place, has low bid at \$37,650 from Moeller & Wellbacher for residence, Oakmont Court; wiring bid, Wright Bros., 405 Main St., \$1875; heating, Jud & Ormand, 703 N. Flores St., \$3249; brick and concrete, 2 stories; Beverly W. Spillman, Archt., National Bank of Commerce Bldg.

Tex., San Antonio—Milton L. Smith, 225 W. Myrtle St., erect 6-room residence, W. Mulberry Ave. near Cavaleras St.; about 6 rooms.

Tex., San Antonio—H. C. Thorman, 202 Allinsworth St., erect 2 dwellings, Mistletoe Ave. and 1 on Delaware St.; 5 rooms, cost \$7000 each.

Tex., San Antonio—Luther H. Wiley, 132 Spruce St., remodel residence; frame and stucco; garage, sidewalks, curbs and drives; Beverly W. Spillman, Archt., Alamo Bank Bldg.

Tex., San Antonio—J. Seligman, 220 W. Park Ave., receiving bids for brick and reinforced concrete residence, Bushnell St., Oakmont addition; cost \$50,000; Kelwood Co., Archt., Travis Bldg.*

Tex., San Antonio—G. C. Walker, 208 W. Craig Place, will erect residence, Grammercy Place, Monte Vista addition; 2 stories, brick veneer; Aug. Herff & Co., Archts., San Antonio Loan & Trust Bldg.

Va., Norfolk—S. F. Kirby, 58 Court St., will erect \$12,500 brick residence, 508 Swimming Point; 2 stories.

Va., Richmond—Saml. H. Baker, 6 N. Boulevard, will erect 16 frame dwellings, Battery Heights; total cost \$65,000.

Va., Richmond—M. L. Clarke will erect 2 brick dwellings, 105-111 N. Meadow St.; total cost \$20,000.

Government and State

Ala., Mobile—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., 5506 13th St., Washington, D. C., completed special preliminary plans for \$350,000 quarantine station, Star Island, Mobile Bay, 10 buildings, including detention hospital and detention building.*

Fla., St. Petersburg—Roy S. Hanna, postmaster, will receive proposals from prospective builders to erect structure for lease to Treasury Dept., Washington.

Ga., Fort Benning—Government reported

to erect \$150,000 post exchange bldg.; work to start about Oct. 1; 2 stories, basement and roof garden. Address Col. G. H. Williams.

Mo., Kansas City—United States Naval Reserve, care Geo. Fuller Green, Archt., Rialto Bldg., reported to erect brick and steel armory, 15th and Blue Sts.; 2 stories.

Tex., Brownsville—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., reported to remodel and erect additional story to 2-story Federal Bldg.; cost \$20,000.

Hospitals, Sanitariums, Etc.

Fla., Bradenton—Dr. John R. Boling, 1013 Gregg St., Columbia, S. C., plans surgical hospital near Ware's Creek.

Fla., Jacksonville—Duval County, Richard P. Daniel, Chmn. of Board, receives bids Aug. 24 for equipment of County Hospital, Tenth St. and Boulevard; plans and specifications from Miss N. M. Fleming, Supt. of Hospital.

Ga., Savannah—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., 5506 13th St., Washington, D. C., receives bids Sept. 18 for remodeling U. S. Marine Hospital; drawings and specifications from Medical Officer in Charge at site or from office Supervising Archt.

La., Baton Rouge—Louisiana Tuberculosis Comsn., receives bids Sept. 15 at office Favrot & Livaudais, Ltd., Archts., Hibernia Bldg., New Orleans, for 1-story frame and stucco sanatorium, Greenwell Springs; cost about \$50,000, composition roof, 40 beds.*

Tenn., Memphis—Ear. Eye, Nose and Throat Hospital Assn., Chas. J. Haase, Pres., will erect 4-story building, Madison Ave. and Somerville St.; reinforced concrete, brick and stone, ornamental terra cotta; Jones & Furbinger, Archts., Porter Bldg.

Tex., Sanatorium—State Board of Control, S. B. Cowell, Chmn., Austin, have completed plans about Sept. 1 for \$65,000 administration bldg. addition, \$30,000 laundry addition; both 2 stories, concrete; Phelps & DeWees, Archts., Gunther Bldg., San Antonio.*

Hotels and Apartments

Ala., Eufaula—A. C. Mitchell purchased property on Riverside Drive; reported to erect tourist hotel.

Fla., Bartow—Vet L. Brown plans to erect apartment house or 4 cottages on E. Stanford St.

Fla., Bradenton—Manavista Hotel, recently purchased by Canton, Ohio, men, will be enlarged. Address the proprietor.

Fla., Clearwater—W. T. Harrison purchased 1350-acre tract, including Newport Springs on St. Marks River, plans to erect hotel and cottage colony.

Fla., Clewiston—Watanabe Hotel add 2 new wings; 100 ft. long, contain 35 rooms and dining room; address the Proprietor.

Fla., Coral Gables—Harry Lewy erect \$25,000 apartment building.

Fla., Daytona—Mack Roth, 106 S. Beach St., promoting formation of syndicate of Chamber of Commerce members, for erection of apartment houses.

Fla., Daytona Beach—Members of Lions Club will form syndicate for erection of apartment house. Address Jerome Wetherby, 240 Grandview S. B. St.

Fla., Daytona Beach—Mack Roth, 106 S. Beach St., was elected president of permanent organization for erection of \$700,000, 10-story, 200-room hotel, work to start May 1; first unit to cost \$300,000, of which \$222,000 has been raised.

Fla., Gainesville—Hotel Thomas, W. R. Thomas, Propr., receives bids at office of White House, until Sept. 3 for construction and heating of hotel building; plans and specifications may be obtained from Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.

Fla., Haines City—A. B. Springsteen plans to erect 7-apartment house.

Fla., Kissimmee—Florida Tropics Development Corp., W. A. White, Pres., developers of Interocean City, plans to erect hotel and business blocks.

Fla., Lakeland—Henry S. Duncan, owner of Continental Hotel, New York, reported to erect \$800,000, 7-story, fireproof, 250-room, 111x195 ft. hotel, fronting on Lake Parker and Galleonda Drive; Talley, Bulkley & Talley, Lakeland, submitted preliminary plans.

Fla., Lake City—N. G. Wade, Atlantic National Bank Bldg., Jacksonville, owner of Blanche Hotel, started excavating for 100-room addition.*

Fla., Marianna—Chamber of Commerce and

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Ancient, Free and Accepted Masons planning erection of combined 6-story hotel and Masonic Temple; 100 rooms, steam heated, private dining room, roof garden; funds now pledged.

Fla., Melbourne—Mrs. E. A. Bailey erect 2-story apartment house, McQuaid St.; stores in basement.

Fla., Miami—Beverly Terrace Hotel erect \$150,000, 3-story, reinforced concrete and tile dining room annex, N. E. 33rd St.; address the Proprietor.

Fla., Miami—S. A. and S. T. Jones, Chicago syndicate representatives, erect 3 apartment houses to cost \$750,000; 2 will be built on Grapeland Blvd. in Parkdale and other in Eldorado, at Third St. and Second Ave.

Fla., Miami—Miami Real Estate & Building Co., 38 N. E. Second Ave., erect 2 apartment houses, N. W. 34th Terrace; each house contain 8 apartments and cost \$16,000; concrete block.

Fla., Miami—Joseph Scher, Chicago, Ill., purchased lot on Flagner St. and Tenth Ave.; proposes to erect 2 apartments.

Fla., Miami Beach—Syndicate of Pittsburgh builders composed of Frank Stewart, 2112 Beechwood Blvd.; A. B. McGrew, Jr., 5611 Stanton St.; A. Canning, J. Wilson Porter, Columbia Bldg., and D. Slocom, 5631 Jackson St., plan erection of 8 and 12-family apartments, 46th St., 8-family apartment on Post Ave., also one on 29th St. and number of residences.

Fla., Miami Beach—J. Schwartz, New York, purchased property, erect duplex apartment house.

Fla., Milton—Mrs. Zena Elder erect 12-room, 60x60 ft. apartment house, Pike St.

Fla., Moore Haven—N. F. Stone will rebuild hotel building.

Fla., Ocala—Board of Directors of community hotel considering Architects' plans for erection of hotel.

Fla., Ocala—McDonald Engineering Co., Archts., selected to prepare plans for hotel to be erected at Silver Springs.

Fla., Okeechobee—Max Ginsberg and E. Yellinek plan erection of 2-story, 40x100 ft. concrete tile, 40-room apartment house, Fifth St.

Fla., Palmetto—Frank Winn, Archt., Citizens Bank Bldg., Tampa, submitted plans for 3-story, 94-room community hotel, Main St. and Riverside Drive; 2 passenger elevators.*

Fla., Palmetto—Paul & Blais erect \$125,000, 28-apartment house, N. Main St.; Rowe, Dilard & Rowe, Archts., Bradenton.

Fla., Perry—Chamber of Commerce closed contract with Hockenbury System, Inc., Harrisburg, Pa. for financing \$250,000, 60-room hotel; Griner Hotels, Inc., Charles B. Griner, Pres., Seminole Hotel, Jacksonville will operate.

Fla., Pierson—Florida Land Investors Co. erect 20-room hotel. (See Miscellaneous.)

Fla., Sarasota—Members of Sarasota Realtors Board and others will organize for erection of \$150,000, 64-apartment building; Roger Flory and Arthur Cundy interested.

Fla., Sarasota—R. B. Payne purchased lot, Palm, Broadway and Seventh, reported considering erection of apartment house.

Fla., Sebring—J. P. Sugrue, owner of Ansonia Hotel, enlarge and improve.

Fla., Stuart—George Thomas, owner of Shadowland Apartments, Avenue C, plans to erect addition.

Fla., St. Petersburg—S. V. Smith, 291 Lee St., erect \$10,000, 2-story, hollow tile rooming house, Lee St. and Third Ave.

Fla., St. Petersburg—George F. Young, 213 Sumner Bldg., has plans in progress by Lester Avery and Olin H. Round for \$250,000, hollow tile and stucco, 3-story hotel building Central Ave. and 24th St.; 6 stories on ground floor, 56 rooms above, ornamental iron work tile and carved stone.

Fla., St. Petersburg—W. H. Walker erect \$28,000, 2-story, frame apartment building, Cherry St. and 13th Ave.

Fla., Tampa—B. L. Hamner Realty Co., Citrus Exch. Bldg., has plans by Franklin O. Adams, Jr., Grand Theater Bldg., for \$350,000 hollow tile and stucco, 3-story Renmah Court apartment house, Dekle Ave.; 35 four-room apartments.

Fla., Tampa—Magnolia Apartment Co. soon have completed plans by Frank A. Winn, Jr., Citizens Bank Bldg., start work immediately on \$275,000, 7-story, fireproof apartment hotel, Magnolia Ave. near Bay Shore; 60 2-room apartments on first 6 stories, top floor for single-room bachelor apartments; exterior of marble, polychrome and terra cotta, lobby

and corridors will be finished in marble, 2 electric elevators.

Fla., Tavares—Siple-Baker Realty Co. reported to construct \$250,000 tourist hotel, yacht basin, combination amusement pavilion and clubhouse, etc., in connection with development of 300,000 acres.

Fla., West Palm Beach—Lions Club, Dr. C. K. Vilet, considering erection of apartment building.

Fla., Wildwood—W. H. Clark, 609 S. Dakota St., Tampa, has drawings in progress by W. L. Chaffin and Alan J. MacDonough, Leesburg, for \$30,000, 2-story, 80x40 ft., hollow tile and brick hotel buildings; pine floors, concrete foundation, built-up or Barret roof; major items to be purchased include beds, rugs, chairs, electric heaters, general hotel supplies.*

Ga., Atlanta—G. H. Butler, Glenn Bldg., erect five 2-story, frame apartments, 46-8-50-2-4 Fain St.; \$20,000.

Ga., Atlanta—G. F. Willis, Candler Bldg., owner of Avondale, plans to erect business block and 12-unit apartment house.

Ga., Louisville—Jefferson Hotel plans addition of 12 or 15 rooms; address the Proprietor.

Ga., Sharon—Orvis Brothers purchase Hillman property; plan to erect hotel and add other improvements.

Ky., Louisville—John Mattingly, 427 W. Jefferson St., and Edward J. Clem, Realty Bldg., heading syndicate, purchased property, 70x190 ft., First St. and Broadway, plan to erect \$350,000, 4-story building, stores on first floor, apartments above.

La., New Orleans—S. Scott Joy, Archt., 2001 Pershing St., S. W. Straus & Co., 6 N. Clark St., mortgage bankers, both Chicago, and others interested in erection of 16-story hotel, with commercial garage in rear, University Place and Common St., to cost about \$5,000,000; Wm. E. Spink, Asso. Archt., Canal-Commercial Bldg.

La., New Orleans—A. Goodman receives bids Aug. 28 for alterations and additions to residence, 2819 Carondelet St., for apartments; \$15,000; Lockett & Chachere, Archts., 521 Baronne St.

Miss., Gulfport—Lester F. Alexander Co., Audubon Bldg., New Orleans, have completed plans in 2 months by Shaw & Woleben for 6-story commercial hotel, 13th and 25th Ave.

Miss., Gulfport—Edgewater Gulf Development Co., owners of between 600 and 700 acres, between Gulfport and Biloxi, and from Gulf of Mexico to Bay of Biloxi, entered agreement with Edgewater Gulf Hotel Co., composed of Ben H. Marshall, Archt., 721 N. Michigan Ave., Wm. M. Dewey, Mgr. of Edgewater Beach Hotel, both Chicago, and associates for erection of 400-room, fireproof resort hotel and 18-hole golf course; Development Co. to develop residential sub-division, including dwellings, paving, wiring, laying of water mains, sewers, etc.; J. W. Billingsley, Interstate Bank Bldg., New Orleans, La., Const. Engr. for both Hotel and Development Co.*

Miss., Natchez—Association of Commerce considering proposition of R. W. Kimball, Archt., Jackson, for erection of hotel.

Mo., Kansas City—Mrs. A. Kelley, 5320 Rockhill St., erect \$40,000, 2-story apartment house, 4502-6 Main St.

N. C., Hiddenite—H. T. Kelly and S. T. Crowson, Taylorsville, reported to plan rebuilding Davis Springs Hotel, recently burned.

N. C., Mount Airy—Da Costa Woltz, Gastonia, and J. H. Rhudy, Winston-Salem, reported interested in development in Lowgap section for scenic resort; preliminary plans call for first unit of hotel, to accommodate 300 guests when completed.

S. C., Columbia—J. B. Urquhart, Archt., Palmetto Bldg., complete plans about Sept. 1 for 4-family, brick apartment house, Gervais and Henderson Sts.

Tenn., Chattanooga—H. B. Lamb, Signal Mountain, erect \$12,000, 2-story apartment house, W. Seventh St.

Tenn., Sweetwater—Scruggs Realty Co. considering plans by Manley & Young, Archts., for remodeling Scruggs Building into hotel; includes addition of third floor to contain 28 bedrooms with baths.

Tex., Dallas—W. O. Baird erect two 20-room, brick veneer, 2-apartment houses, 512-4 and 216-8 Prairie St.; \$13,000.

Tex., Dallas—A. R. Cain, 5007 Phillips St., erect \$14,000, 20-room, brick veneer, 4-apartment building, 4742 Victor St.

Tex., Dallas—Mrs. Mary B. McLemore erect \$10,000, 16-room, brick veneer, 4-apartment building, 4907-9 Reiger St.

Tex., Dallas—F. E. Thacker erect \$12,000,

6-room, brick veneer, 2-apartment house, 4125-7 Bowser St.

Tex., Dallas—J. D. Wade erect \$26,000, 32-room, brick veneer, 8-apartment building, 527 W. Jefferson St.

Tex., San Antonio—H. C. Wood of Kelwood Co., Archts., Travis Bldg., and others planning erection of \$300,000, 3-story, tile, brick, stone and stucco, fireproof apartment building, Bushnell and Laurel Heights Place; plans under way by Kelwood Co., Travis Bldg.

Tex., Tyler—J. J. Wagner, Archt., Room 9, Goldstein & Brown Bldg., have plans out for figures last of month, for Commercial Hotel.

W. Va., White Sulphur Springs—A. E. Huddleston, P. O. Box H, and others plan erection of \$100,000, 60-room, brick and concrete hotel building; concrete foundation, hollow tile, interior tile, metal ceilings, concrete floors, ventilators; Archt. not selected.*

Miscellaneous

Ark., Bella Vista (R. Sta. Bentonville)—Travis Oliver, 2002 Riverfront St., Pres. of Central State Savings Trust Co., Monroe, La., reported considering erection of vacation lodge.

Fla., Daytona—Board of Directors, Daytona Golf & Country Club, start work Sept. 1 on \$50,000, 2-story and basement, Spanish type, brick and hollow tile clubhouse; John A. Rogers, Archt.

Fla., Fort Myers—F. B. Tippins, Jr., lessee of Nelson's Casino, announced \$100,000 improvement program; acquired site in Gulf Heights, erect 2-story, Spanish and Moorish type, 135x140 ft. casino.

Fla., Miami—South Florida Golf & Country Club, 123 E. Flagler St., leased 3-story Cromer-Cassel Building, 221-3 E. Flagler St.; will put in new front, fit first floor for offices and remodel.

Fla., Orlando—H. Carl Dann Realty Co., San Juan Hotel Bldg., co-operating with \$1,000,000 corporation chartered with Wm. Edwards, Pres., I. W. Phillips, Treas., will erect 50-room clubhouse in connection with development five 18-in. golf course.

Fla., Pierson—Florida Land Investors Co. announced \$200,000 building and development program for Flanico Estates, including 20-room hotel, bank, 2-story building containing 4 stores and theater on first floor with offices and town hall above; residences in units of 5 will be started immediately.

Fla., Sarasota—County Fair Assn. erect race track and new fair buildings, Fruitville Road.

Ky., Sergeant—Imperial Elkhorn Coal Co. erect clubhouse; contract in 10 days.

N. C., Durham—J. C. Scarborough, Hoyte St., offered 2 buildings, Proctor and Cozart Sts., to Interdenominational Colored Ministers Alliance, L. H. Midgette, Pres., for establishing negro orphan's home and home for aged colored women; will renovate and equip.

N. C., Greensboro—Gate City Motor Co., 213 E. Market St., plans to erect next spring a country clubhouse for employees.

Tex., Dallas—Home of Our Lady of Charity, care Mother Clement, 536 W. Page St., has plans under way by J. Ed. Overbeck, 717 Wilson Bldg., for brick, stone, reinforced concrete fireproof Home buildings, Fort Worth Pike; \$150,000.

Railway Stations, Sheds, Etc.

Fla., Sarasota—Seaboard Air Line Rwy. Co., Charles R. Capps, Vice-Pres., Norfolk, Va., reported to erect \$100,000 station, Lemon Ave.

Mo., Boonville—St. Louis-San Francisco Rwy. Co., F. G. Jonah, Ch. Engr., St. Louis, reported to erect passenger station, Mill and Main Sts.

Schools

Ala., Normal—Agricultural & Mechanical Institute, T. R. Parker, Pres., erect \$40,000 dormitory.

Ark., Osceola—Board of Directors of Osceola Special School District No. 1, Mississippi County, Charles E. Sullenger, Sec., receives bids Sept. 1 for erection of negro school building.*

Ark., Pine Bluff—Fisk Consolidated School District Board of Trustees has plans in progress by Martin Laubis, for new school building.

Fla., Bradenton—Palm View and Frog Creek Special School Tax Districts voted \$25,000 and \$20,000 for erection of schools; ad-

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dress Manatee County Board of Public Instruction.

Fla., Miami—Dade County Board of Public Instruction, Charles M. Fisher, Supt., let following contracts: Highland Park assembly hall and cafeteria, \$43,162 including alterations to Hintz Construction Co., Box 184; Santa Clara, \$85,886 deducting alterations, to H. B. Nelson Construction Co.; Riverside assembly hall and cafeteria to Hintz Construction Co., at \$46,550.

Fla., Whitehouse—Special School Tax District No. 6 voted \$100,000 bonds for erecting schools in Marietta and Whitehouse. Address Duval County Board of Public Instruction.*

Ga., Atlanta—Board of Education, R. L. McCullough, Bus. Mgr., City Hall, receives bids Aug. 28 for erecting first unit of Hoke Smith Junior High School; separate proposals on general, electrical, plumbing and heating work; plans and specifications may be obtained from A. Ten, Eycke Brown, Archt., 717-20 Forsyth Bldg.*

Ga., Covington—Newton County Board of Education, Prof. H. H. Stone, Chmn., has plans for 8 additional rooms at Palmer Institute to house consolidated school of Palmer, Flint Hill and Mount Zion districts.

Ga., Du Pont—Du Pont Consolidated School Dist. votes Sept. 7 on \$25,000 bonds for consolidated high school; C. M. McLamb, Pres. of Board of Trustees.

Ga., Summerville—Board of Trustees Summerville School District, C. L. Hale, Chmn., receives bids Sept. 2 for erection of school building; plans and specifications may be obtained from Lockwood & Poundstone, Archts., 816-7 Forsyth Bldg., Atlanta.

La., Raskin—Franklin Parish School Board, John L. McDuff, Supt., Winnboro, receives bids Sept. 4 for 2-story, brick high school building, containing 10 classrooms, auditorium, office, library, etc.; plans and specifications may be obtained from John W. Baker, Archt., Crowley.

La., Bastrop—Morehouse Parish School Board soon call for bids for \$150,000 High School building; J. W. Smith, Archt., Onachita Bank Bldg., Monroe.*

La., Berwick—St. Mary's Parish School Board, L. A. Law, Supt., Franklin, receives bids Sept. 17 for 2-story, brick, fireproof High School building; \$60,000, contain 13 classrooms, auditorium and administration rooms; composition roof, steam heat; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans.

La., Homer—Claiborne Parish School Board plans to spend \$350,000 next year, including High School building to cost \$250,000.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., receives bids Sept. 9 at office F. A. Doldfield, City Register, City Hall, for addition to School No. 70, Warren and Battery Aves.; drawings and specifications may be seen at office H. G. Perring, Supervising Engr., Public Improvement Commission, 518 Hearst Tower Bldg.

Md., Emmitsburg—St. Joseph's College engaged in \$850,000 construction program, including erection of 2 dormitory buildings, cattle barn, water tower and house for laborers.

Md., Baltimore—St. Wenceslaus Catholic Church, Ashland Ave. and Collington, Rev. Jos. W. Shott, Rector, erect \$50,000, 44x121 ft. school building, Madison St. and Duncan Alley.

Mo., Kansas City—Board of Directors of School District of Kansas City, James B. Jackson, Sec., receives bids Sept. 3 for completion of West Side Junior High School, 20th and Summit Sts.; plans and specifications may be seen at office Charles A. Smith, Archt., 800 Finance Bldg.; plans and specifications for mechanical work at office Nate W. Downes, Engr., 602 Finance Bldg.

Mo., Kansas City—Kansas City College of Osteopathy and Surgery erect \$10,000, 2-story building, 2013 Independence.

Mo., Poplar Bluff—Board of Education rejected all bids for erecting Kenyon grade school; \$75,000 bond issue available; Archt. will revise plans and take new bids.

Mo., St. Louis—Building Department, Board of Education, R. M. Milligan, Commr. of School Buildings, 911 Locust St., receives bids Sept. 2 for erection of Shenandoah School building; separate proposals as follows: Plumbing, sewerage and gas fitting; heating and ventilating apparatus, including air washer and heat regulation; vacuum cleaning system; electric light wiring and fixtures, clocks, bell and telephone systems; also for addition to warehouse to include plumbing, sewerage, etc.; heating and ventilating, and electric work.

N. C., Gastonia—School Board, care Prof. W. P. Grier, start work on high school sta-

dium in Sept.; first section of 1800 seats to be erected first.

N. C., Mechanicsville—School Board, T. Wingate Andrews, Supt., erect brick school building.

N. C., Raleigh—Board of Education of Wake County, John C. Lockheart, Sec., receives bids Aug. 31 for following: 2 classrooms and auditorium at Falls of Neuse, brick veneer; 7-teacher community school with auditorium at Zebulon, brick veneer; for plans and specifications for former apply John J. Blair, Director Schoolhouse Planning, and latter, J. H. Bonitz, Asst. Director Schoolhouse Planning, State Department of Education; 2-classroom and basement, brick veneer addition at Millbrook; farm shop and classroom for agriculture at Method, brick; for plans and specifications for both apply J. M. Kennedy, Archt., Merchants Bank Bldg.; 4-teacher community school with auditorium at Wendell, brick veneer or wood; addition of 2 classrooms to Rosenwald School at Fuquay Springs, wood; 3-teacher school in Panther Branch Township; for plans and specifications for all apply to Sec. of Board.*

S. C., Blacksburg—Board of Trustees, J. L. Hancock, Chmn., care Willis Irvin, Archt., Lamar Bldg., Augusta, Ga., receives bids Sept. 17 for erection of school building; plans and specifications on file Columbia (S. C.) Builders Exchange, Charlotte (N. C.) Builders Exchange, Atlanta, (Ga.) Builders Exchange, and may be obtained from Archts.*

S. C., McColl—Board of Trustees, D. L. McLaurin, Chmn., receives bids Sept. 1 for erecting and heating High School building; plans and specifications may be seen at office Edwards & Sayward, Archts., 101 Marietta St., Atlanta and office of Chmn., or obtained from Archts.

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, plans erection of junior high school, addition to East Lake grammar, remodeling Clifton Hall grammar in Thirteenth Ward.

Tenn., Culleroka—John P. Graham, Chmn. of Building Committee, for erection of gymnasium at High School.

Tenn., Ripley—Lauderdale County Election Commissioners call election Sept. 17 in Second Civil District, on \$100,000 bonds, for new High School building.

Tenn., Springfield—School Board call election on \$90,000 bonds for purchasing Springfield Training School, improving and converting into High School, erect new building, improve colored school.

Tex., Abilene—Board of Education has final plans in progress by David S. Castle Co., 26 31 Radford Bldg., for two 1-story, brick and concrete ward school buildings; 8 rooms each.

Tex., Arlington—Board of Regents, Agricultural & Mechanical College, College Station, has plans in progress by Prof. Henry M. June, College Station, for \$40,000, 1-story, brick dining hall building for North Texas A. C. Campus.

Tex., Austin—University of Texas, I. P. Lothridge, Bus. Mgr., receives bids Aug. 31 for \$10,000 to \$12,000, fireproof, 1-story and basement, 20x54 ft. biological greenhouse; tile roof, cement floors, concrete foundation, hollow tile; bids to include glazed superstructure; R. L. White, Archt. of University.*

Tex., Campbellton—Common School District Board of Trustees, C. A. Struve, Pres., has preliminary sketches in progress by J. Clyde Williams, Moore Bldg., San Antonio, for \$18,000, 1-story, 5-room and auditorium, brick, hollow tile and concrete school building.

Tex., Dallas—Board of Education, C. M. Moore, Sec., has preliminary plans in progress by DeWitt & Lemmon, 507 S. W. Life Bldg., for \$1,000,000, brick, stone and reinforced concrete, fireproof, East Dallas School, Akard and Royal Sts.

Tex., Dallas—Board of Education, C. M. Moore, Sec., has plans in progress by C. D. Hill & Co., 801 Central Bank Bldg., for two \$120,000, 2-story and basement, brick, stone and reinforced concrete, fireproof school buildings, Gilbert and Herschel Sts. and Pembroke and S. Adams Sts.

Tex., Lockney—George Graham, Chmn. Board of Trustees, Erick School District No. 1, Floyd County, receives bids at First Natl. Bank Bldg., until Sept. 5 for 4-room and auditorium, brick and tile school building; plans and specifications may be obtained from Kerr & Walsh, Archts., Plainview and Amarillo.

Tex., Morton—Morton Independent School District voted \$50,000 bonds for new High School; address Board of Trustees.

Tex., Orange—H. J. Luther Stark reported to plan erection of \$35,000 gymnasium building, West End Park.

Tex., Sudan—School Board selected Ribble & Ribble, Archts., Leader Bldg., Lubbock, prepare plans for \$125,000 school building.

W. Va., Harveytown—Board of Education, Guyandotte District, Cabell County, L. L. Adkins, Sec., receives bids Sept. 3 for 2-room building at Harveytown, additional room at Hite School.

Stores

Ala., Birmingham—L. W. Tippins, 1716 N. 26th St., and A. B. Blackstone erect \$13,000, 2-story, brick building, 721 Eighth Ave., West.

D. C., Washington—W. & J. Sloan, 1508 H St. N. W., erect 6-story store, showroom and factory building, 12th St. near G St. N. W.; McKenzie, Voorhees & Gmelin, Archts., Peoples Insurance Bldg., Washington, and 342 Madison Ave., New York.

Fla., Clearwater—Alden Washburn erect \$25,000, 2-story, 2-store and 4-apartment building, Cleveland St. and Greenwood Ave.; Lester Avery, Archt., St. Petersburg.

Fla., Clearwater—J. D. Baskin erect \$10,000, stucco, 50x75 ft. arcade building, Fort Harrison and Hendricks Sts.

Fla., Lemon City—George R. Wilson, New York, purchased block, erect stores and offices.

Fla., Miami Beach—Charles H. Blohm erect \$10,000, 2-room store building.

Fla., Okeechobee—Harry Lee, 1667 Hancock St., Brooklyn, N. Y., purchased lot, S. Park St., erect store building.

Fla., Pierson—Florida Land Investors Co. erect store and office building. (See Miscellaneous.)

Fla., Plant City—Kilgore Seed Co. erect \$10,000, 1-story, brick, 57x197 ft. building.

Fla., Sarasota—Seidman & Apler, New York, erect Spanish type store building, Ringling Blvd.

Fla., St. Petersburg—J. B. Thomas, S. J. Williams and W. H. and L. R. Ogle, 2725 Fourth Ave. N., announced plans for \$25,000, 1-story, stucco, 7-store building for John's Pass district.

Fla., St. Petersburg—Hegenaur & Bolton erect \$22,000, 2-story store and apartment building, 26th St. and Central Ave.

Fla., St. Petersburg—A. L. Rossiter erect \$10,000, 1-story, tile store building, Ninth St. North.

Ga., Atlanta—McCrory Stores Corp. make alterations to building, 11-17 Whitehall St.; \$23,000.

Ga., Waycross—Gibson Brothers purchased lot, Plant Ave. and Riverside Drive, reported to erect business building.

Ky., Blackey—George M. Hogg erect \$10,000 business building; contract in 2 weeks.

Ky., Blackey—Mrs. Stephen Jenkins erect \$15,000 business building; contract at once.

Ky., Blackey—A. V. Walters erect store building; contract in 10 days.

Ky., Hazard—John Robinson erect \$10,000 store and business building.*

La., New Orleans—Pere Marquette store and office building, Baronne and Common Sts., Ernest M. Loeb, 618 Magazine St., and others, interested; S. Scott Joy, Archt., 200 W. Pershing Sq., Chicago, Ill.; Wm. E. Spink, Asso. Archt., Canal-Commercial Bldg. (See Buildings Proposed—Bank and Office.)

La., New Orleans—Weiss & Dreyfous, Archts., Maison Blanche Bldg., receiving bids for remodeling second and third floors of building, 728 Canal St., for Coleman E. Adler, 722 Canal St.

Miss., Cleveland—J. W. Cook erect 2 store buildings.

Miss., Natchez—Louis Fry, owner of Fleming Building, plans to remodel.

Mo., Kansas City—G. M. Baltis, 3801 Wabash Ave., purchased S. W. cor. 35th St. and Indiana Ave., plans to erect business building.

Mo., Kansas City—W. S. Dickey, N. Y. Life Bldg., erect \$10,000, 1-story building.

N. C., Greensboro—Morrison-Neese Furniture Co., 120 W. Market St., have plans for contractors in 60 days, by Harry Barton, 129 Wainman St., for store building, S. Greene St.; \$100,000, steel frame, 68.6x123 ft., Barrett roof.

S. C., Spartanburg—F. T. Cantrell erect \$75,000, 3-story building, Main and Choice Sts.; 3 store rooms 100 ft. deep and 25 and 30 ft. wide.

S. C., Spartanburg—J. T. Harris, 525 E. Main St., erect \$30,000 store building, N. W. cor. N. Church and Charles Sts.

Tenn., Knoxville—Jack Henry, Pennsylvania Ave., Burlington, erect \$10,000, brick store building, Speedway addition.

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Tex., Dallas—Prudential Investment Co. erect \$15,000, 2-story, brick stores and rooms, 914-G N. Peak St.

Tex., Dallas—J. J. Wagner, Archt., Room 9, Goldstein & Brown Bldg., Tyler, have plans out for figures last of month, for 5 store buildings, Ross and Hall Aves., for R. Bergfeld, 3606 Cleveland St.

Tex., El Paso—Charles and A. C. DeGoff have permit for \$20,000 1-story, brick store building, Bassett's addition.

Tex., Goose Creek—L. W. Northrup, Jr., Archt., 302 West Bldg., Houston, receiving bids for 2-story, brick and tile, 25x90 ft. store and hotel building.

Tex., Jasper—R. W. Henderson started work on brick business building, Houston St.

Va., Clarendon—A. L. Kelley erect \$15,000, brick store buildings, Ballston Ave. and Railroad St.

Va., Portsmouth—Dr. R. R. Robertson, 620 Park Ave., has plans and specifications by A. O. Ferebee, Archt., Arcade Bldg., Portsmouth and Norfolk, for 2-story, brick store and office building, High and Washington Sts.

W. Va., Charleston—R. E. Risk, 1010 Washington St., erect \$30,000, 1-story, brick, 8-store room building, Washington and Broad Sts.

W. Va., Huntington Mrs. Cora A. Webb erect \$10,000, 40x40 ft., 2-story store and apartment building, 1133 Twentieth St.

Theaters

Fla., Miami—Rosa Properties, Inc., has plans by Fridstein & Co., for 1-story, steel and concrete theater building, 310-20 N. Miami Ave.; 100-ft. frontage, include 6 store rooms.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Fla., St. Petersburg—Young Men's Christian Assn. let contract for \$400,000 building, Fifth St. and Second Ave., South, to Ed. S. Moore & Son, 456 First Ave. (lately noted Edw. Moore & Son Construction Co.); Woolpert & Brown, Archts.*

Okla., Guthrie—Masonic Building Board, Wm. Bickell, member, let contract for \$40,000 pipe organ to Austin Organ Co., 158 Woodland St., Hartford, Conn.

Tenn., Morristown—Morristown Lodge No. 231, Inc., A. F. & A. M., let contract at about \$30,000 to M. C. Caldwell, 636 Third St., South, to remodel and erect addition to building; brick, wood joist, etc., 3 and 4 stories, 26x106 ft., hardwood and oak floors, concrete foundation, pitch and gravel roof, steel sash; steam heating, electric work and plumbing not let; purchase shop work, including doors and frame windows, complete inside trim, wood stairs, oak flooring, plastering, lime and cement; Barber & McMurry, Archts., 425 W. Church St., Knoxville.*

Bank and Office

Fla., Coral Gables—Coral Gables, Inc., will erect \$400,000 ground sales dept. building, Ponce de Leon Blvd. and Coral Way; Colonial Spanish type, marble columns, mezzanine, rotunda 64 ft. in diameter and 75 ft. high; Phineas E. Paist, Archt.; Coral Gables Construction Co., Contr.

Fla., Hollywood—Golden Gate Investment Corp., Raymond H. Wilson, Pres., let contract for \$15,000 office building to Davidson & Rinderman; tile and reinforced concrete, 25x74 ft., 2 stories, 6-ply rubber roof; plans and constr. engineering by Contrs.*

Fla., St. Petersburg—First National Bank, R. A. Chancellor, Pres., let contract to G. A. Miller Co., 28 Petteway Bldg., Tampa, for 4 additional stories, Central Ave. and Fifth St.; M. Leo Elliott, Archt., 616 Hall Bldg.*

Fla., Vero Beach—Vero Beach Bank & Trust Co., T. J. Campbell, Pres., let contract for \$325,000 building to Gude & Co., 64 Poplar St., Atlanta, Ga., and Bayshore and Howard Sts., Tampa, Fla.; fireproof, 7 stories and mezzanine; offices on 5 floors; W. Manley King, Archt., West Palm Beach.*

Ga., Thomasville—Bank of Thomasville let contract at \$87,760 to J. S. McCauley Co., B. Allen Bldg., for 5-story bank and office building; 100x43 ft., steel and concrete, Indiana limestone finish; A. Ten Eyck Brown, Archt., Forsyth Bldg., both Atlanta.*

Mo., St. Louis—Paul Brown Realty Co., care I. T. Cook, Arcade Bldg., reported let contract to A. Monschein, Arcade Bldg., for

Ky., Ashland—Columbia Amusement Co., Dick Martin, Mgr., announced plans for theater on Winchester St. to seat 1800.

N. C., Asheville—Olive Tilford Dargan plans to erect theater building as memorial to late husband.

Tenn., Humboldt—J. F. Lowrance and Willie L. Jones purchased Martin motion picture theater, plans extensive improvements.

Tex., Houston—Mrs. Anna J. Cotton, Hot Springs, Ark., and 905 Main St., erect theater building, Main St., to seat about 2000.

Tex., Houston Main Realty Co. receives bids until Sept. 15 for \$400,000, 150x115 ft., brick, stone and reinforced concrete, 6-story, 2-balcony theater building, Main and McKinney Sts.; Kelwood Co., Archts., Travis Bldg., San Antonio.*

Warehouses

Fla., Miami—Melrose Avery erect \$15,000 warehouse, N. E. 28th St.

Fla., Ocala—Collier Brothers will erect fireproof building to be used at United States bonded storage warehouse.

Fla., Palmetto—J. D. & J. T. Jenner acquired warehouse site on Seaboard Air Line Rwy. tracks.

N. C., Kinston—J. H. Parnham, N. Mitchell St., part owner and manager of Central Warehouse recently burned, announced plans for rebuilding; erect temporary galvanized building.

Okla., Oklahoma City—M. B. Schofield, 4 W. Park St., erect \$10,000 warehouse, 121 E. Washington Ave.

S. C., Spartanburg—J. T. Harris, 525 E. Main St., plans to erect warehouse on tracks of Charleston & Western Carolina Railroad.

\$1,000,000 addition to Paul Brown Bldg., Ninth and Pine Sts.; 16x10 stories, brick; Preston J. Bradshaw, Archt., International Life Bldg.

Tenn., Sparta—Sparta Commerce-Union Bank is remodeling building; cost \$15,000, veneer section.

Churches

Fla., Orlando—St. Johns M. E. Church, Rev. J. L. Criswell, Pastor, has started work on \$55,000 building; brick and stucco, steel truss asphalt slate shingle hip and gable roof; plans by Board of Church Extension.

La., New Orleans—F. L. Bixler, 3901 Carrollton Ave., has masonry contract for \$60,000 Beth Israel community bldg.; Hyman Rabinovitz, Contr., Strand Bldg.*

Md., R. F. D. Curtis Bay (Station Baltimore)—Trinity M. E. Church, Rev. Chas. S. Harrison, Pastor, let contract to S. M. Johnson, 4 Pratt St., for \$10,000 building; stucco; John H. Geise, Jr., Archt., both Baltimore.

Md., Baltimore—Cummins Memorial Reformed Episcopal Church, Rev. Milton Eareckson, Pastor, 1308 Mulberry St., let contract to V. O. Eareckson, 814 N. Stricker St., for \$50,000 building, Mulberry near Hilton St.; 2 stories, 36x28 ft., stone and frame.

Miss., Ethel—Presbyterian Church erecting building. Address the pastor.

Mo., Ferguson—St. Johns and St. James Church, Rev. J. J. Godfrey, pastor, erect \$70,000 superstructure, Elizabeth St. and Chamber Ave.; red granite, 1 story, 111x58 ft.; Bennett, Haynes & Bennett, Archts., Century Bldg.; Kenton-Hercules Construction Co., Contrs., 912 Wainwright Bldg., both St. Louis.

Mo., St. Joseph—St. Paul's M. E. Church let contract at \$40,000 to Sam Hotchkiss, 18th and Pennsylvania Aves., for building, Highland St. and Savannah Ave.; Webb Seimens, Archt.*

Mo., St. Louis—Wesley M. E. Church, care R. A. Lowell, 2917-A Greer Ave., let contract to S. M. Wilson, 1927 State St., for \$35,000 building, Emma and Mimika Sts.; 1 story, 110x55 ft., brick; Adolph Meyer, Archt., Central National Bank Bldg.*

Mo., St. Louis—Holy Family Church, Rev. John F. Reuther, pastor, 4129 Humphrey St., erect \$147,000 church and rectory, 4100 Humphrey; red granite, 2 stories, 70x214 ft.; Ludewig & Dreisner, Archts., 3543 Humphrey; F. H. Leibinger, Contr., 4103 Wyoming St.

N. C., Charlotte—East Avenue A. R. P. Tabernacle, J. H. Rose, Chmn. Bldg. Comm.,

let contract to J. P. Little & Son, for \$60,000 Sunday school annex; 4 stories, 42x112 ft.; accommodate 1200, gymnasium, 10 shower baths, kitchen, etc.; J. M. McMichael, Archt.*

S. C., Rock Hill—Grace Lutheran Church let contract for \$30,000 building to J. P. Little & Son; Independence Bldg., Gothic type, Winnsboro, S. C., granite, stone trim, auditorium seat 350; Sunday school rooms in basement; Walker & Hunter, Archts., all Charlotte, N. C.*

Tex., Houston—Grace Methodist Church let contract at \$37,089 to Street Construction Co., for 3-story brick, tile and concrete building; Paul G. Silber & Co., Archts., Bedell Bldg.; E. V. Austin, Asso. Archt., Chronical Bldg.*

Tex., Marshall—St. Joseph's R. C. Church let contract at \$35,000 to Dielmann Construction Co., 306 E. Commerce St., for brick building; 1 story and basement, 48x125 ft., wood and concrete floors; Leo M. Dielmann, Archt., 306 E. Commerce St., both San Antonio.*

Tex., San Antonio—Greek Orthodox Church, A. Prattes, Chmn. Bldg. Comm., care Manhattan Cafe, let contract at \$49,992 to Lon T. Wright & Co., Builders Exchange Bldg., for brick, stone and concrete building; Emmett T. Jackson, Archt., Builders Exchange Bldg.*

Tex., San Benito—Baptist Church erecting first unit of 3-story brick veneer and concrete building; Brown & Bradley, Contrs.; Paul G. Silber & Co., Archts., Bedell Bldg., both San Antonio; call for bids for second and third stories upon completion of present unit.*

Va., Appalachia—First Baptist Church let contract for \$25,000 building to Kingslover & Huddle, Bristol, Va.-Tenn.; 32 rooms.

Va., Richmond—Mizpah Presbyterian Church, Brookland Park Blvd., let contract for \$55,000 brick building to J. W. Atkinson & Co., Lyric Bldg., 2 units, 2 stories, 45x70 ft., and 30x65 ft., slate and composition roofs, organ; bids opened on \$15,000 furnishings, equipment, etc.; L. P. Hartsock, Archt., American National Bank Bldg.

W. Va., Huntington—Huntington Seating Co., Guyandotte St., has contract for pews, seats and church furniture for First Presbyterian Church, Baltimore, Md., and for church at Welch, W. Va.

City and County

Fla., Tampa—City let contract for \$26,000 fire station, Florida and Ross Aves., to W. E. Alman & Sons, Rome and Drew Sts.; Frank Dunham, Archt.*

Okla., Tecumseh—Pottawatomie County let contract for \$185,000 fireproof courthouse to Cowen Bros., 214 N. Broadway; stone, 4 stories and basement, 90x80 ft., marble, terrazzo and concrete floors, hollow and interior tile, metal ceilings; electric work and elevator not let; A. C. Davis & Sons, Archts., 436 N. Broadway, both Shawnee.*

S. C., Hampton—Hampton County R. H. Anderson, Supervisor, let contract to P. N. Anger for remodeling courthouse and jail; cost \$30,000; items to be purchased include lime, cement, brick, gen. bldg. material, steam heating plant; plans by Contr.*

Tex., Arlington—City let contract to Cawthon Construction Co., for \$18,000 brick city hall; auditorium seat about 800.

Tex., Morton—Cochran County Commissioners' Court let contract at \$73,000 to Samson Construction Co., Amherst, for completion of courthouse; W. F. Kaufman, Archt., 1007 Monroe St., Amarillo.*

Va., Alexandria—M. B. Casey & Co., Washington, D. C., contract at \$12,750 for vapor heating plant in City Hall.

Dwellings

Ark., Conway—Mrs. J. W. White let contract to H. L. Tyler for 6-room bungalow.

D. C., Chevy Chase (Branch Washington, D. C.)—W. T. Barkman, Vienna, Va., reported to erect 180 dwellings; cost \$15,000 each, 2 stories, 30x38 ft., brick; Speiden & Speiden, Archts., 1311 G St., N. W.; Kuddell Bros., 3615 Davis St., N. W., probable contractors, both Washington.

D. C., Washington—Mrs. Rosa Thompson, 2204 Wyoming Ave., N. W., erect \$50,000 residence; 2½ stories, 30x72 ft., brick and hollow tile; T. J. D. Fuller, Archt., 2317 Ashmead Place; Davis, Wick & Rosengarten Co., Contrs., 1406 G St., N. W.

D. C., Washington—Davis, Wick & Rosengarten Co., 1406 G St., N. W., have contract for 10 semi-detached brick, frame and stucco dwellings, Cleveland Park; 2½ stories, 40x32 ft.; total cost \$80,000.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

D. C., Washington—Mrs. S. C. Windeck, Manchester Apts., erect \$33,000 residence and garage, 5620 Daniels Rd.; 2½ stories, 69x33 ft., hollow tile and stucco; Carl W. Markham, Contr., 605 Lenox Bldg., 1523 L St., N. W.

D. C., Washington—Mrs. Caroline B. Trench, 2960 Newark St., N. W., erect \$31,000 residence and garage, 1623 Kennedy Place, N. W.; 2 stories, 37x70 ft., brick and hollow tile; F. A. Kendall, Archt., 1739 Eye St., N. W.; W. Mooney, Contr., 1420 New York Ave., N. W.

D. C., Washington—W. B. Lamar, 1915 Massachusetts Ave., N. W., alter and erect brick, hollow tile and stucco addition to residence; 3 stories, 40x60 ft.; Geo. Oakley Totten, Jr., Archt., 808 Seventeenth St., N. W.; W. P. Lipscomb Co., Contr., 1406 G St., N. W.

D. C., Washington—Lawrence Heller, Colorado Bldg., 14th and G Sts., N. W., erect \$24,000 residence and garage, 3207 Cathedral Ave., N. W.; brick and hollow tile, 2 stories, 35x63 ft.; Porter & Lockie, Archts., Transportation Bldg., 17th and H Sts., N. W.; Bolling & Clark, Contrs., 1510 Nineteenth St., N. W.

Fla., Bartow—Tom Page is erecting number of dwellings; ultimate plans call for 20.

Fla., Bradenton—Jos. E. Kelly, Bldr., Grand Rapids, Mich., plans dwelling.

Fla., Bradenton—W. R. Smith, will erect dwelling, Stockbridge Ave.; Jos. E. Kelly, Contr., Grand Rapids, Mich.

Fla., Coral Gables—Beaver Products Co., Candler Bldg., Atlanta, Ga., div. E. Jos. Kollos, Sales Mgr., Atlanta, has plaster and lime contract for 100 dwellings to be erected by Myers Y. Cooper Co., 409 Union Trust Bldg., Cincinnati; cost \$25,000 to \$75,000 each, stucco and masonry, oak, pine, tile and concrete floors, composition tile roofs, concrete foundations, hollow and interior tile; plans by various architects under supervision of Phineas E. Paist, Supervising Archt. of Coral Gables. Address F. Mills Judy, care of Owner, Coral Gables.*

Fla., Coral Gables—Mrs. Elizabeth H. Locke will erect \$23,000 residence, 1042 Avenue Sorolla; J. H. Frost, Archt.; Simeon T. Cook, Contr.

Fla., DeLand—E. K. Jones has contract for 2 dwellings, Greenwich Village near DeLand; 2 stories, cost about \$12,500 each.

Fla., Jacksonville—Saltair Development Co., C. W. Fairchild, Mgr., plans number of dwellings; 1 under construction.

Fla., Miami—C. G. Moore will erect 20 dwellings, Hallendale Park sub-division; work started on first unit.

Fla., Miami—J. Kendel Pearson, Boston, Mass., is erecting \$40,000 residence, North Hibiscus Island; Ralph A. Preas, Archt., Real Estate Bldg.

Fla., Miami—Rufus Sefers and Raymond Fox, both Indianapolis, Ind., will erect 15 dwellings; total cost about \$125,000; contract for 2 residences for personal use let to A. L. Avey.

Fla., Miami Beach—Bartlett-Faris Construction Co., Kansas City, Kan., has permit for \$10,000 dwelling; ultimate plans call for about 50 dwellings in Sunset Lake and Nautilus sections.

Fla., Miami Beach—Carl G. Fisher let contract for \$500,000 residence, Biscayne Bay near Nautilus Hotel, to John B. Orr Co.; garage, swimming pool, boathouse; Spanish type, 25 rooms; August Geiger, Archt.*

Fla., Miami Beach—W. A. Kohlhepp will erect \$55,000 residence and garage, Nautilus section; August Geiger, Archt.; John B. Orr Co., Contr.

Fla., Orlando—J. C. Brossier, 3 W. Colonial Drive, let contract for \$15,000 hollow tile and stucco residence, Orwin Manor, to Jerry Ahern; 2 stories, 30x44 ft., oak and concrete floors, tile roof, Kleen Heat heating system; furnishings, equipment, etc., \$4000.*

Fla., Sebring—Judge W. J. Baker let contract for \$20,000 residence, Lakeview Place.

Fla., Sebring—E. W. Gallaher let contract for \$10,000 residence, Lakeview Place.

Fla., Vero Beach—E. W. Petty has started work on 3 dwellings, Osceola Blvd.; Frank Babble, Contr.

Ga., Atlanta—Wagar & Co., are erecting 10 dwellings, Avondale Estates.

Ga., Atlanta—G. F. Willis, Candler Bldg., owner, Avondale Estates, is erecting number dwellings.

Ky., Paducah—M. E. Barger is erecting residence, 20th St. and Kentucky Ave.; Hester Andrews, Contr.

Fla., Sebring—Vincent S. Hall soon start work on \$50,000 residence, Lakewood Terraces; modified Spanish type, stucco; Wm. Manley King, Archt., West Palm Beach.

La., New Orleans—John Davidson, 1427 State St., advises is not erecting 3 double cottages, Joliet and Marks Sts., for Reliance Homestead Assn. as lately reported.*

La., New Orleans—Chas. Peterson, 717 Nashville St., is erecting 5 duplexes; pressed brick, frame and stucco, 2 stories and basement, 30x71 ft., concrete and quartered oak floors, concrete and brick foundations, tile and slate roofs, hollow tile, metal ceilings, mail chutes, ventilators, steel sash and trim, wire glass; plans by owner; Albert F. Peterson, Contr., 717 Nashville Ave.; Arcola system of heating, Mr. Mohr, 5518 Catina St.; plumbing, W. A. Schroeder, 5520 Catina St.*

La., New Orleans—Eureka Homestead Society will erect \$17,000 building, Fontainebleau Drive and Claiborne St.; R. H. Ketringham, Contr.

La., New Orleans—Albert J. Dutrey erect raised double cottage, Joseph and Willow Sts.; Frank R. Gatti, Contr.

La., New Orleans—Mrs. Prevostey will erect \$13,000 residence, 478 Walnut St.; Otis W. Sharp, Contr.

La., New Orleans—Claudius C. Sandoz, Audubon Bldg., will erect raised \$10,000 building, St. Bernard Ave. near Dorgenois St.; Jos. C. Bourg, Contr.

Md., Baltimore—Hamilton Real Estate Co., Inc., Hamilton Ave. and Hartford Rd., erect 12 dwellings, N. side Orchard Ave. W. of Harford Rd.; 1½ stories 24x34 ft., hot water heat; total cost \$60,000; Roy A. Boyd, Contr., Iona Terrace near Harford Rd.

Md., Baltimore—Thos. Mullan, 3945 Greenmount Ave., erect 14 brick dwellings, 143-69 St. Ambrose St., and 4 at 1605-11 Gorsuch Ave.; 2 stories; total cost about \$18,000; Arthur Blatchley, Archt.; owner builds.

Md., Baltimore—W. N. Van Sant, 411 Hawthorne Rd., erect 2-story frame residence, N. side Upnor Ave. near St. Albans Way; 22x42 ft., slate roof, hot water heat; Henry P. Hopkins, Archt., 347 N. Charles St.; Ralph McMurry, Contr., Builders Exchange.

Md., Baltimore—Mrs. Minna A. Hafer, 1913 W. Baltimore St., will erect \$14,000 residence, S. side Edmondson Ave. and Chapel Gate Lane; 2½ stories, 29x35 ft., slate roofs, hot water heat; Geo. S. Childs, Archt., 306 St. Paul St.; S. D. Eigenbrode, Contr., 4317 Bucks Lane.

Md., Baltimore—Mutual Construction Co., 5702 Bellona Ave., will erect 2 shingle dwellings, Oak Lane and Corona Ave.; stone foundation, hot water heat, tile bath, 29x26 ft.; total cost about \$10,000; O. D. Hampson, Archt., 5702 Bellona Ave.; owner builds.

Md., Baltimore—Vincent L. O'Connor, Maryland State Bank Bldg., will erect 3 shingle semi-bungalows, Roxwood Ave. near Harford Rd.; 2 stories, total cost about \$10,000; Edw. Miller, Archt., 2904 Clifton Park Terrace; owner builds.

Md., Catonsville (Branch Baltimore)—Wm. W. Greenwell, 40 Mellor Ave., is erecting frame semi-bungalow; slate roof, hot water heat; J. Steinacker, Archt., 28 Sanford Ave.; Walter Grady, Contr., Frederick Ave.

Md., Catonsville (Branch Baltimore)—Leonard W. Porter, Smithwood and Summit Aves., is erecting 2 frame cottages, W. side Locust Drive, Summit Park; slate roofs, hot water heat; plans and construction by owner.

Md., Catonsville (Branch Baltimore)—Benjamin S. White will erect frame bungalow, Old Frederick Rd. near Ingleside Ave.; 28 x38 ft., slate roof, hardwood and other floors, hot water heat, cost about \$10,000; H. M. Bowen, Archt.-Contr., 640 Ingleside Ave.

Md., Baltimore—Jos. Gehring, 2133 Denison St., will erect 10 brick dwellings, N. E. cor. Webster and Heath Sts.; 2 stories, 15x41 ft., slag roofs, hot air heating; total cost \$20,000; Stanislaus Russell, Archt., 11 E. Lexington St.; owner builds.

Md., Baltimore—John W. Sherwood, Continental Bldg., will erect \$50,000 brick residence, Highfield St. near Greenway; 3 stories; Howard Sill, Archt., 12 E. Pleasant St.; Thos. Hicks & Sons, Contrs., 106 W. Madison St.

Md., Pikesville (Branch Baltimore)—E. L. Quirk, Waldron Ave., will erect 15 brick dwellings, S. E. cor. Arlington and Alto Aves.; 2 stories, 16x32 ft., slag roofs, steam heating; total cost \$37,000; F. E. Beall, Archt., 306 St. Paul St., Baltimore; owner builds.

Mo., St. Louis—Guarlford Realty & Investment Co., 1003 Fullerton Bldg., will erect \$10,000 brick dwelling, block 5 W. Portland St.; 37x38 ft.

Mo., St. Louis—E. A. Wagner, 722 Chest-

nut St., will erect \$40,000 brick residence, 5925 Lindell Blvd.; 2½ stories, 70x76 ft., slate roof, hot water heat; M. Boulecault, Archt., Buder Bldg.; owner builds.

Mo., Clayton (Ind. Branch St. Louis)—Davis Realty Co., 816 Olive St., erect \$25,000 duplex Venetian Drive, Davis Place; brick, tile and stucco, 100x39 ft.; C. E. Hamilton, Contr., Lackland E. of Woodson.

Mo., Kansas City—Thos. A. Little, Vice-Pres. Harrison Engineering & Construction Corp., 506 Mutual Bldg., erect \$20,000 residence, 6246 Valley Rd.; 2 stories and basement, 37x38 ft., siding and shingles; Edgar C. Faris, Archt., South Side Bank Bldg.; E. T. Scholley, Contr., care Archt.

Mo., Kansas City—Mrs. M. C. Browning, 522 E. 56th St., erect \$15,000 residence, 54th and Holmes Sts.; brick and tile, 2 stories and basement, 39x41 ft.; C. E. Shepard, Archt., Huntzinger Bldg.; Jos. Smithers, Contr., 6732 Monroe St.

Mo., St. Louis—C. Bruegge erect 10 one-story brick dwellings, 4318-54 Hodlamont St.; total cost \$30,000; owner builds.

Mo., St. Louis—E. C. Fisher Synd. Trust Bldg., erect 3 brick dwellings, 5929 Ray St.; 1 story; total cost \$10,500; owner builds.

Mo., University City (Station St. Louis)—Rae Agatstein, Gatesworth Hotel, erect brick residence and garage, 7054 Westmoreland St.; 2 stories, 40x32 ft., tile roof, hot water heat; J. H. Williamson, Archt.-Contr., 7039 Waterman St., both St. Louis.

Mo., University City (Station St. Louis)—Guarlford Real Estate & Investment Co., 1003 Fullerton Bldg., erect \$10,000 brick residence and garage, 7135 Pershing Ave.; 2 stories, 38x27 ft., slate roof, hot water heat; Nolte & Naumann, Archts., Fullerton Bldg.; R. A. & G. B. Bullock, Contr., 1003 Fullerton Bldg., all St. Louis.

Mo., University City (Station St. Louis)—A. A. Hussman, 770 Radcliff St., erect 2 brick dwellings, 6970-74 Dartmouth Ave.; 2 stories, 24x29 ft., composition roofs, hot water heat; total cost \$13,000; Butcher & McDaniel Construction Co., Contr.

Mo., University City (Station St. Louis)—Mrs. Mary Louree, 7002 Pershing St., erect \$12,000 brick residence and garage, 7138 Maryland Ave.; 2 and 1 story, 36x31 ft. and 18x20 ft., slate roofs, hot water heat; L. Louree, Archt., 7002 Pershing St.; J. B. Paris, Contr., 3687 Cook St., all St. Louis.

Mo., University City (Station St. Louis)—J. B. Moberly, Jefferson Hotel, erect \$15,000 residence and attached garage, 7101 Westmoreland Ave.; brick and stucco, 2 stories, 32.4x62.4 ft., slate roof, steam heat; Corrubia & Henderson, Archts., 1373-77 Arcade Bldg.; R. Meirink, Contr., 6618 McCume St., all St. Louis.

Mo., University City (Station St. Louis)—John T. Sliggett, Pierce Bldg., St. Louis, erect \$10,500 brick residence, 7233 Maryland Ave.; 2 stories, 36.4x29 ft., tile roof, hot water heat; Roy O. Chaffee, Archt., 614 Elbert St., Webster Groves (Ind. Branch St. Louis); Clifford B. Godwin, Contr., 440 Melville St., St. Louis.

N. C., Balfour—Balfour Mill will erect 25 cottages; Fiske-Carter Construction Co., Contr., Greenville, S. C.

N. C., Greensboro—P. L. Hawks is erecting \$19,000 brick residence; 2 stories, 66x36 ft., slate roof, interior tile, hardwood and concrete floors; J. W. C. Lewis, Contr.; materials purchased; heating, plumbing and wiring let.*

Tenn., Knoxville—Judge Hugh M. Tate, Empire Bldg., is erecting residence, Kingston Pike.

Tenn., Memphis—K. E. Sharpe is erecting residence, Forrest Ave. near McLean Blvd.; Estes W. Mann, Archt., Madison Ave Bldg.

Tenn., Memphis—Mrs. Celina Tate is erecting residence, Trezevant Ave., Hein Park; Estes W. Mann, Archt., Madison Ave Bldg.

Tex., Houston—E. S. Banks, 4209 Walker St., is erecting 2-story brick veneer duplex, 2118 Wentworth St.; cost about \$10,000; L. B. McClanahan, Contr.

Tex., Houston—Andrew L. O'Leary, Mgr., 3807 Caroline St., William-Frehm Co., is erecting English type brick residence, Southside Place.

Tex., Houston—Dr. J. H. Page, 412 Anita Sts., started work on brick veneer residence, Prospect Ave.

Tex., Houston—D. O. Miller, 1312 Peden St., will erect 10 dwellings, Eastwood St., and Canal Ave.; total cost about \$30,000; owner builds.

Tex., Fort Arthur—Chas. R. Stevenson, Fifth St. and DeQueen Blvd., will erect \$30,000 residence; 2 stories, brick and concrete; C. B. Schoeppl & Co., Archts., 440 Waco St., Port Arthur, and 319 Humble Bldg., Houston; J. E. Baker, Contr., 431 Fifth St.; heating, plumbing and wiring let.*

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Government and State

Ala., Bessemer—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., 5306 13th St., Washington, D. C., let contract to De Vault & Dedrick, to remodel and enlarge post office; cost \$20,000.*

Tex., Dallas—Jacob Culp & Co., 33 S. La-Salle St., Chicago, Ill., erect \$600,000 post office sub-station and lease to Government; brick, reinforced concrete, fireproof, 2 stories and part basement; Alfred A. Alschuler, Archt., 28 E. Jackson Blvd., Chicago.*

Tex., Waco—State Board of Control, S. B. Cowell, Chmn., Austin, let contract at \$56,909 to Bush & Phillips for chapel, dormitory and power house at State Home for Neglected and Dependent Children; plumbing, A. T. Cheaney, 2305 Cole Ave., \$11,285; 2 and 1 story; Milton W. Scott & Co., Archts., 412½ Franklin Ave.*

Hospitals, Sanitariums, Etc.

Fla., Jacksonville—St. Luke's Hospital let contract for \$65,000 children's ward to O. P. Woodcock; fireproof, concrete, tile and stucco, part 3 stories, 50x100 ft., concrete walls and floors; H. J. Klutho, Archt., St. James Bldg.

Fla., West Palm Beach—Good Samaritan Hospital let contract to Chalker, Lund & Crittenden for \$175,000 addition; accommodate 40, Italian Renaissance type, X-ray room, maternity ward, etc.; building for nurses' home; Harvey & Clarke, Archts.*

Ky., Bowling Green—Nashville Surgical Supply Co., 401 Church St., Nashville, Tenn., has contract for surgical supplies for new city hospital.

La., New Orleans—Ole K. Olsen, 822 Perdido St., has reinforcing steel contract for \$400,000 John Dibiart Tuberculosis Hospital; Sam Stone, Jr., Archt., 714 Union St.; Geo. J. Glover Co., Inc., Contr., 1033 Whitney Bldg.*

Miss., Natchez—Drs. Chamberlain & Rice let contract for \$125,000 hospital to Estes-Williams-Ragsdale Co., Madison Ave. Bldg., Memphis, Tenn.; brick and steel, 3 stories, 230x45 ft., hardwood and concrete floors, concrete foundation, composition roof, hollow tile, metal doors, ventilators, ornamental stone; Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson, Miss.; contracts lately noted let for heating, plumbing, electric work and elevator.*

N. C., Smithfield—Dr. W. J. B. Orr let contract at \$53,500 to Reinecke Construction Co., Fayetteville, for brick, hollow tile and reinforced concrete hospital; 2 stories, 35x115 ft. composition, tile and concrete floors, composition roof, concrete foundation in; plans by A. M. Griffin, Engr., Wilmington; low pressure steam heating W. M. Wiggins & Co., Wilson; plumbing, O. Overbeck; electric work not let; elevator temporarily omitted. Address equipment, furnishing bids to Dr. Orr.*

Okl., Ponca City—Holmboe Construction Co., Park & Lindsay, Oklahoma City, has contract at \$250,250 for hospital; 3 stories, brick and reinforced concrete, tile and composition roof; Schmidt, Garden & Martin, Archts., 104 S. Michigan Ave., Chicago, Ill.*

Tex., Austin—State Board of Control, S. B. Cowell, Chmn., let contract at \$45,152 to Brydson Bros. for occupational therapy and employees' home bldg. at Austin State Hospital for Insane; W. E. Ketchum, Archt., hospital for Insane; electric work, John L. Martin, \$1082; plumbing, \$3818, and heating, \$2760, to J. O. Andrewartha; W. E. Ketchum, Archt., Pope Bldg.*

Hotels and Apartments

Fla., Bartow—Mrs. M. A. Waldo let contract to Bass & Hamlin, Lakeland, for \$20,000, hollow tile, 4-apartment building, Pearl and Oak Aves.

Fla., Coconut Grove—George Hardie erect \$40,000, 12-suite apartment building, Poinciana Ave.; Charles Colby, Contr.; Lee Wade, Archt.

Fla., Fort Pierce—M. B. Goldsmith let contract to C. E. Cahow for \$40,000, 12-family apartment building, Orange Ave.; Spanish type, tile and stucco.

Fla., Miami—Biscayne Bay Hotel Co. let contract to George W. Langford Construction Co., Fort Dallas Pk. Apts., Miami, and Columbia Bldg., Louisville, Ky., for \$800,000, 12-story, fireproof, 75x135 ft., 250-guest rooms, each with private bath, Biscayne Bay Hotel, N. E. Fifth St. and Bayshore Drive; lobby, offices and 8 shops on first floor, dining room, kitchen, lounge and parlors on second; 3 high-speed elevators; garden and bungalow residence on top; E. L. Robertson & L. R. Patterson, Archts., Calumet Bldg.

Fla., Miami Beach—L. Barth & Son, Inc., Cooper Square, New York City, has contract for furnishing entire equipment for Roney Plaza Hotel, to be opened about Dec. 1st.*

Fla., Palm Beach—Syndicate, including H. S. Paschal, Flushing, N. Y., and New York City; Royal Edsell, 101 Park Ave., New York, and R. M. Norris, West Palm Beach, started work on \$500,000, 110-room, 225x171 ft., 2-story, hollow tile and stucco, Spanish type Brazilian Court apartment house, Brazilian and Hibiscus Aves.; plans by Rosario Candella, 200 W. 72nd St., New York, assisted by Harvey & Clarke, Archts., West Palm Beach.

Fla., Palmetto—Country Club Apartments, Inc., let contract July 27 to Artley Co., Bradenton, for \$60,000, 2-story, brick and frame, 80x72 ft., 17-apartment building on Country Club Estates; hardwood and rift pine floors, tile and built-up roof, concrete foundation; Merrifield Plumbing Co., Manatee, heating; Tri-City Plumbing, Heating & Ventilating Co., Palmetto, plumbing; Roy A. Parker, electric wiring; Griggs Metal & Plumbing Co., roofing and sheet metal work; Tri-City Plastering Co., plastering and stucco; S. N. Neville, painting; J. H. Johnson, Archt.; all Bradenton.*

Fla., Sarasota—Burns Realty Co. let contract to J. J. Davis & Sons, 2728 Baker St., Detroit, Mich., for installing plumbing, steam fitting, heating, electrical, refrigeration in 134-room Owen Burns Hotel.*

Fla., Stuart—Mrs. Beatrice McCartney started work on 2-family garage apartment building, Bessey addition.

Fla., St. Petersburg—Vinoy Park Hotel Co. erect \$75,000, 3-story, frame laborers' quarters, Sixth Ave. north; G. A. Miller, Contr.

Fla., St. Petersburg—Roy D. Fisk let contract to Theodore Bulman for \$10,000, 2-story, hollow tile apartment building, 545 Tenth Ave.

Fla., Tampa—Community Builders, Inc., George F. Weldman, Sec. Treas., 2301 Bayshore Blvd., let contract to H. D. Sterling, 406 E. Michigan Ave., for initial unit of two 8-family apartment houses, Palmyra Ave.*

Fla., Tampa—Joseph Jorowski, Contr., Rochester, N. Y., plans to erect \$750,000, 6-story apartment building, Memorial Highway and Moody St.; fireproof, roof garden, swimming pool, cafeteria, etc.; owner will supervise work.

Ga., Vidalia—F. C. Omberg let contract to Herbert Wright for 50-room hotel, Railroad Ave.

Mo., Kansas City—Gotham Apartment Co., 223 E. Ninth St., let contract to B. L. Hoffman Investment Co., Ninth and McGee Sts., for 3-story, brick, 50x100 ft. store and apartment building, S. E. cor. Ninth and Campbell Sts.; gravel roof, terrazzo and wood floors, concrete foundation; Defoe & Bessecke, Archts., 17th and Baltimore Sts.*

Mo., St. Louis—J. Priesmeyer, 5618 Summit Place, erect \$12,000, 2-story, brick tenement, 4849 Penrose St.; owner builds.

Mo., St. Louis—E. Marcus erect two \$10,000 2-story, brick tenements, 4223-5-9 Farlin St.; owner builds.

Mo., St. Louis—L. K. Milberger, 5212 Murock St., erect two 2-story, brick tenements, 2720-2 Wyoming St.; \$18,000; owner builds.

Mo., St. Louis—L. Goldstein, 5917 Hamilton St., erect \$10,000, 2-story tenement, 1379-79A-99-99A Simple St.; owner builds.

Mo., St. Louis—Joyner Realty Co. let contract to Harrison Construction Co., 6032 Delmar St., for 6-story, reinforced concrete, 66-family apartment building, Hamilton and Enright Aves., cost \$500,000, including site; iceless refrigeration, oil burning heating system, 40-car steam-heated garage in basement; Waldheim-Platt & Co. underwriting bond issue; David R. Harrison, Archt., 6053 Waterman St.

N. C., Charlotte—O. L. Barringer, 24 W. Trade St., erecting \$90,000, brick, concrete and stone, fireproof, 3-story apartment house, 420 N. Church St., to be known as Brandon Hall; 21 suites of 2, 3, 4 and 5 rooms each; Herbert B. Hunter, Archt., High Point; Blythe & Isenhour, Contrs.*

Tex., Dallas—Finley Corp., Suite 706 Insurance Bldg., let contract to L. H. Lucy Co., 2632 Swiss Ave., for \$275,000, brick, stone, steel, reinforced concrete, fireproof, 6-story and basement, 90x132 ft. apartment building; T. J. Litzelman, Archt., 1713½ Live Oak St.*

Tex., Dallas—D. D. Swindle, 310 North Texas Bldg., let contract to Miller & McNabb, at \$25,000, for 2-story, brick veneer, 40x67 ft. apartment building, Jefferson Ave.; J. W. Wade, Archt.

Tex., Houston—J. P. Kelthly, 5303 Austin St., let contract to P. Nelson, 719 Hawthorne St., for \$12,500, 2-story, brick veneer apartment house, 2108 Smith St.

Tex., Houston—Mrs. E. J. Carrigan let contract to F. S. Shook, 1207 Poden St., for \$16,800, frame and brick veneer apartment house, Alameda and Arbor Ave.

Tex., San Antonio—F. C. Swenson, Tampico, Mexico, let contract to Shane & Dickey, 1514 Buena Vista St., for 2-story, frame, 4-apartment house, Mistletoe and Breeden Aves.; \$25,000; Kirkland & Wharton, 231 W. Commerce St., plumbing; Wright Brothers, 122 Avenue C, electric wiring; heating contract to be let later; Adams & Adams, Archts., Builders Exchange Bldg.*

W. Va., Martinsburg—Shenandoah Hotel Corp. let contract to O. M. Ramsey & Co. for equipping 104 rooms with furniture, mattresses and springs, and for carpeting for rooms and corridors; \$30,000 to \$40,000.*

Miscellaneous

Fla., Coral Gables—Coral Gables Golf & Country Club let contract to Coral Gables Construction Co. for \$175,000 addition.

La., New Orleans—Geary-Oakes Co., Inc., Title Guaranty Bldg., Contrs. for Jockey Club building at fair grounds; let following sub-contracts: American Elevator & Electric Co., 511 Poydras St., dumbwaiter; Well Electric Co., 1421 Dryades St., electric wiring; Ingalls Iron Works Co., Inc., City Bank Bldg., iron and steel; Southern Builders Material Co., Inc., Maison Blanche Bldg., metal partitions; Horace White, 821 Carondelet St., tile roofing; James Demorelle & Sons, Inc., 3501 S. Carrollton Ave., building material; E. W. Ulrick Glass Co., 808 Baronne St., glazing; Salmen Brick & Lumber Co., 3901 Carrollton Ave., lumber; Wm. Geary & Son, 2125 Callopie St., millwork.*

Tex., Fort Worth—Fort Worth Woman's Club, Miss Anna Shelton, Pres., 1414 Pruitt Ave., let contract to J. M. Gurley, Galveston, at \$34,000, for brick and stone unit to clubhouse, Pennsylvania Ave.; Brown & McLain, 2669 Vickery Blvd., heating and plumbing; Payne Electric Co., 604 Magnolia Ave., wiring; Sanguinet, Staats & Hedrick, Archts., 1005 First Natl. Bank Bldg.*

W. Va., Charleston—T. J. Robson, 401 Union Trust Bank Bldg., Charleston, let contract to Johnson & Campbell, St. Albans, for \$75,000, 156x60 ft. clubhouse for Kanawha Country Club and Kanawha Holding Corp.; Crowther & Knapp, Archts., Citizens Bank Bldg., Charleston.*

Railway Stations, Sheds, Etc.

Ark., Fayetteville—St. Louis & San Francisco Rwy. Co., F. H. Jonah, Ch. Engr., St. Louis, Mo., let contract to Gerhardt Construction Co., Cape Girardeau, Mo., for \$15,000 freight station.

Schools

Ala., Corona—Walker County Board of Education, Jasper, started work on \$10,000 training school for negroes.

Ark., Barton—Board of Directors Barton Special School District let contract to H. H. Stafford, Wynne, at \$23,000, for 1-story, 150x71-ft., interlocking tile and brick veneer school building; composition roof, beech floors, concrete foundation; major items to be purchased include desks, electric fixtures, stage settings, auditorium seats, teachers desks, window shades and playground equipment; F. J. Burke, Helena, steam heat and plumbing at \$4200; Arthur Bragg & Co., Helena, electric wiring at \$185.*

Ark., Conway—Board of Trustees of Arkansas State Teachers' College, B. W. Torreyson, Pres., let contract to J. H. Riddick, Fort Smith, at \$96,954, for practice building; brick and frame, 2 stories, composition roof, pine and concrete floors, reinforced concrete foundation, metal ceilings, vaults, ventilators, ornamental terra cotta, wire glass; Witt, Seibert & Halsey, Archts., Texarkana, Ark.*

Ark., Hindsville—School Board let contract to E. V. Bird Construction Co., Fayetteville, for 60x130 ft., stone school building.*

Fla., Holly—Santa Rosa County Board of Public Instruction, Milton, let contract to J. W. Wilkerson for \$15,000 school building; De. S. J. Welch, Archt., Pensacola.*

Fla., Miami—Dade County Board of Public Instruction, Ray L. Hamon, Director of Building Constr., P. O. Box 1774, let following contracts: Shadowland School, Ward & Ward, 1548 N. Bay Shore Drive; Fulford School, H. H. Voges, Real state Bldg.; Washington Colored School, George N. Smallridge Construction Co., Metropolitan Bldg.*

Ky., Morehead—Board of Regents, Frank-

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fort, let contract to J. C. Miller, Campbells-ville, at \$150,000, for 3-story, 200x85 ft., fireproof power house; Barrett roof, cement and maple floors, concrete foundation; P. H. Meyer Co., Louisville, steam heat; Joseph & Joseph, Archts., Francis Bldg., Louisville.*

Ky., Murray—J. A. Rudy & Sons, Paducah, has contract for over 500 shades in Murray Normal School building.*

Mo., Clayton (Ind. Sta. St. Louis)—Passionists Fathers, Natural Bridge Road, sub-contracted for erection of \$100,000, 2-story, 94.5x134.4 ft., reinforced concrete and brick school building; tile composition roof, plain and reinforced foundation, oak and cement floors, hollow tile, metal doors, ventilators, steel sash; Kupferle Hicks Heating Co., 117 Washington St., heating; Tom Kelly, plumbing; J. Finley, electric work; desire sub-contract bids for glazing; O'Meara & Hills, Archts., Arcade Bldg., all St. Louis.*

Mo., Maplewood (Branch of St. Louis)—Board of Education let contract to Tobin Construction Co., 1907 Compton St., for \$28,000, 77x85 ft. addition to Sutton School, Sutton and St. Elmo Aves.

N. C., Asheville—School Board let following contracts for buildings under construction: American Heating & Ventilating Co., Times-Dispatch Bldg., Richmond, Va., heating and ventilating system in Mountain School at \$6607; Electric Co., Anderson, S. C., electrical equipment in Hall Fletcher School, \$17,300; Northrup-McDuffie Co., hardware at \$1370.

Okla., Oklahoma City—Board of Education let contracts totaling \$26,215, for completion of Roosevelt and Harding Junior High schools; includes: Oklahoma Sash & Door Co., 8 E. Grand St.; Hanson Brothers, 1014 N. Robinson St.; Oklahoma Tile Co., Concord Bldg.; H. H. Enders, 1944 W. 19th St.; P. L. Bottoms, 800 W. 16th St., and Cother & Patrick.*

Okla., Shattuck—Board of Education, J. M. Elder, Clerk, let contract to H. H. Dohl, Okeene, at \$60,339, for 1-story, brick, grade and high school building; pine floors, cement foundation; Mr. Miller, Archt., care Contrs.*

Okla., Stillwater—State Board of Agriculture let contract to Kreipke-Schafer Co., Hersk Bldg., Oklahoma City, for \$237,970 administration building, \$24,814 beef cattle barn and \$21,971 horse barn, at Agricultural and Mechanical College, Dr. Bradford Knapp, Pres.*

S. C., Monck's Corner—Board of Trustees, Monck's Corner Centralized High School District, let contract to T. W. Worthy, N. Commercial Wharf, Charleston, at \$19,919, for 52x112 ft., brick auditorium at Berkel High School; seat 1000; tin roof, concrete foundation, yellow pine floors; J. D. Newcomer, Archt., 32 Broad St., Charleston.*

Tenn., Knoxville—Knox County Board of Education, W. W. Morris, Supt., let contract to Emory Construction Co., at \$11,170, for 1-story, 4-room and auditorium, brick Vestal School building; asphalt roof, concrete foundation, hardwood floors; C. A. Tarwater, Archt.*

Tex., Austin—Swann-Schulle Co., 401 Congress Ave., has contract for 600 oak chairs for University of Texas at \$5.59 each.

Tex., Ben Bolt—Board of Education let contract to Mitchell Brothers, Box 165, Alice, at \$10,500, for 1-story, 72x96 ft., reinforced concrete and tile school building, wood floors, concrete foundation, Richardson roof, plaster board; R. H. Milton, Archt., Corpus Christi.

Tex., Dallas—Board of Education, C. M. Moore, Sec., let contract to Smith & Patrick, 4611 Swiss Ave., at \$67,744, for 2-story and basement, brick, stone and reinforced concrete fireproof, 64x92 ft., Winnetka School addition, Martyn Bros., 2404 Swiss St., plumbing, at \$6640; Kinnison Brothers, 311 N. Austin St., heating, at \$15,578; Superior Electric Co., 409 S. Erway St., wiring, at \$2487; Bryan & Sharp, Archts., 1301 Athletic Club Bldg.

Tex., Dallas—Southern Methodist University, C. C. Selecman, Pres., let contract to Bellows-Macley Construction Co., 611 Kirby Bldg., for \$50,000, 3-story, brick and stone administration building; DeWitt & Lemmon, Archts., S. W. Life Bldg.*

Tex., Greenville—School Board let contract to New Furniture Co. for 40 teachers desks for North, West and South schools.

Tex., Houston—Board of Education, H. L. Mills, Bus. Mgr., let contract to Standard Construction Co., 337 Humble Bldg., at about \$230,000, for brick, stone, steel, reinforced

concrete, fireproof, 3-story and basement North Side Senior High School building; Orange Car & Steel Co., Orange, reinforced steel; Texas Carnegie Co., Chronicle Bldg., structural steel; Concrete Engineering Co., West Bldg., metal forms; Macatee & Sons, Commerce and Austin Sts., brick; U. S. Gypsum Co., Sweet-water, gypsum blocks; Bedford-Carriage Stone Co., Rinnells and Belt Sts., cut stone; Peden Iron & Steel Co., steel sash; Steves Sash & Door Co., 602 Monterey St., San Antonio, mill work; Maurice J. Sullivan, and Briscoe & Dixon, 1701 Second Natl. Bank Bldg., Asso. Archts.; Wm. Ward Watkins, 212 Scanlan Bldg., Conslt. Archt.; Robert J. Cummins, 727 Bankers Mortgage Bldg., Structural Engr.

Tex., Lakeview—Board of Education, Sparenburg School District, let contract to J. G. Bille, Lubbock, at \$25,445, for erecting school building; E. F. Rittenberry, Archt., 303 Blackburn Bldg., Amarillo.

Tex., Luling—School Board has plans by and let contract to W. J. Schroeder for \$11,000, 1-story, 45.4x78.4 ft. brick school building; galvanized iron roof, reinforced concrete foundation, pine floors, metal ceilings, ornamental terra cotta, rolling partitions, wire glass; Luling Electric Light & Power Co., wiring, heating and plumbing.*

Tex., Perrin—Board of Education, Harvey Marks, Sec., let contract to J. S. Murphy, Mineral Wells, at \$19,619, for 2-story, brick and concrete school building; A. B. Withers, Archt., 107 1/2 Oak St., Mineral Wells.

Stores

Ark., Little Rock—Matt Bush & Bros., Contrs., Exchange Bank Bldg., remodel building, 408-10-12 Main St. for McCrory Co., Chicago; \$25,000.

Fla., Plant City—Van and Powell let contract to G. E. Wilson, for \$10,000, concrete tile and brick building, W. Haines St.

Fla., Sarasota—Owen Burns let contract to Burns Construction Co., for \$12,000, two-story, 6-room, stucco on concrete block store and apartment building, Orange and Pine-apple Aves.

Fla., Sarasota—April & Golden let contract to Leadley Ogden for \$15,000, 2-story, stucco over tile, Spanish type, 50x80 ft. store and hotel building, Central Ave.

Fla., Winter Haven—Harriben Investment Co. let contract to Seymour-Craig Co., for \$10,000, 2-story, brick and tile, stone trimmings, store and office arcade, Third St. and Magnolia Ave.; 16 stores on first floor, 30 office suites above; B. C. Bonfoey, Archt., Petteway Bldg., Tampa.*

Ga., Atlanta—Starrett Brothers, 101 Park Ave., New York, Contrs. for \$2,750,000, 6-story, basement and sub-basement department store building, Peachtree and Ellis Sts., of Davison-Paxon-Stokes Co., and R. H. Macy Co., Inc., 34th St. and Broadway, New York, let contract for excavations to Nichols Contracting Co., 1 LaFrance St. (Incorrectly reported let to W. H. Nichols & Sons Construction Co.); Starrett & Van Vleck, Archts., 8 W. 40th St., New York; Hentz, Reed & Adler, Asso. Archts., Candler Bldg.

Md., Baltimore—Charles P. Burger, 120 Montebello Terrace, erect three 2-story, brick stores and dwellings, Harford Road and Northern Pkwy.; \$15,000, steam heat; J. A. Deeter, Archt. & Builder, 219 Traymore Road.

Miss., Jackson—W. J. Clancey, 413 W. Capital St., let contract to James F. Garber, 151 Minerva St., for 2-story, brick store building, W. Capitol St., cost \$27,800, not including plumbing, electric wiring, etc.; 121x-65 ft.; C. H. Lindsey, Archt., Lamar Life Bldg.*

Miss., McComb—Judge F. D. Hewitt erecting brick store building on Third St.; George W. Netterville & Son, Contrs.; painting to Matthews, the Painter; plumbing to Rooney, the Plumber; wiring to Jones-Johnson Co.

Miss., McComb—Matthews, the Painter, started work on brick store building on Third St.

Mo., Cape Girardeau—Gerhardt Construction Co. started basement of building near corner, Spriggs and Independence Sts.

Mo., Kansas City—Bay State Land Co., 919 Baltimore Ave., representing Boston Ground Rent Trust, awarded contract for reconstruction of building, north of N. E. cor. 13th and Main Sts.; 4 stories and basement, granite base, wall of cut stone with panels of copper trimmed marble inset; Keene & Simpson, Archts., 1005 Land Bank Bldg.

Mo., Maplewood (Branch of St. Louis)—John S. Mills, 7161 Manchester St., erect \$22,000, 2-story, 85x100 ft. building, 7114-6-8 Manchester Ave.; owner builds.

Okla., Chickasha—J. L. Burtchli started work on 2 store buildings; cost \$15,000.

Tenn., Knoxville—W. A. & J. E. Gervin, 220 W. Church Ave., have contract at \$25,000 for remodeling building, 225-7-9 S. Gay St., to be occupied by Hanover Shoes, Bond Bros. Clothes Co. and Wermser Hats; 44x150 ft., pine floors, metal ceilings; Engert-Long Plumbing Co., 604 Asylum Ave., heating and plumbing; Knoxville Electric Co., 622 S. Gay St., wiring and fixtures; C. A. Tarwater and Ryno & Brackney, Archts., 505 Henson Bldg.

Tex., Beaumont—L. Perl, 1350 Broadway, let contract to Beaumont Construction Co., Blanchette Estate Bldg., for remodeling store building; \$17,000; Ed Eastham, 356 Fannin St., plumbing; Electric Service Co., 424 Park St., electric wiring; Otis Elevator Co., Houston, elevators; Schenk & Fulweiler, Archts., 303 Perlstein Bldg.

Tex., Houston—Mrs. Emma Dickson let contract to George S. Moore, for \$12,000, brick and hollow tile store building, Houston Ave. and Crockett St.

Tex., San Antonio—L. J. Hart and Mrs. Joe Gunther let contract to Diemann Construction Co., at \$13,209, for 1-story, brick, stone and concrete store building, St. Mary's, near Travis St.; Phelps & Dewees, Archts., Gunter Bldg.*

Tex., Slaton—W. E. Smart started work on three brick business houses, Eighth St.

Va., Clarendon—Ashton C. Jones let contract to A. J. Porter for \$40,000, brick, concrete and tile, 2-story, 106x80 ft. stores and office building; slag roof, concrete and wood floors, concrete foundation, hollow tile, interior tile, metal ceilings, ventilators, rolling partitions; C. W. Hunt, plumbing and hot water heat.*

Theaters

Fla., Little River—Bert Schreiber erecting \$250,000 Riviera Theater, to be opened in Dec.; include theater, 4 stores and offices, exterior of Mediterranean type with 2 towers, auditorium to seat 700; William F. Brown, Archt., Real Estate Bldg., Miami Beach.

Mo., Maplewood (Branch of St. Louis)—Bentley Harris, 3111 Sutton Ave., remodel Powhatan Theater; \$26,000; owner builds.

N. C., Winston-Salem—David H. Blair, Peoples Natl. Bank Bldg., let contract to L. B. Flora & Co., Main St., Danville, Va., at \$60,700, for brick and tile, 60x100 ft., Broadway Theater, N. Liberty St.; main auditorium to seat 700; 300 seats in balcony; hollow tile, interior tile, plaster board, ventilators, ornamental terra cotta, steel sash and trim; Carolina Iron Co., Greensboro, structural steel; Oettinger Lumber Co., S. Elm St., Extension, Greensboro, millwork; Gill Engineering & Contracting Co., Danville, concrete work; Northrup & O'Brien, Archts., Starbuck Bldg.*

Tex., Littlefield—Chester & McClure Theater Co., Inc., let contract to Sampson Construction Co. at \$24,000 for 3-story, 51x108 ft., concrete, brick and steel, tile theater building; concrete and wood floors, concrete foundation, composition asbestos roof, hot air heat; plans by Max L. McClure.*

Warehouses

La., New Orleans—Union Warehouse Co., Houston, Tex., let contract to W. Horace Williams Co., Inc., 816 Howard Ave., at \$80,000, for 1-story, 216x800 ft., timber cotton warehouse, Charities and Charbonnet Sts.; concrete floors and foundation, composition roof, hollow tile; Robt. J. Cummins, Engr., Bellaire, Texas, Houston.*

Miss., Bay St. Louis—A. Scafile & Co. erect concrete and concrete block, 2-story warehouse, Nicaise Ave.

Mo., St. Louis—Ravarino & Frechi Improvement Co., Kingshighway and Shaw Sts., let contract to J. S. Alberin, 1118 Boatmen's Bank Bldg., for \$20,000, 1-story, 150x90 ft., brick warehouse, 4649-53 Shaw St.

Tex., Dallas—Kinnison Brothers, 311 N. Austin St., erecting \$27,000, brick, 1-story, 131x100-ft. warehouse and office building, 1201-9 S. Lamar St.; concrete floors and foundation, Carey roof, ventilators; J. E. Overbeck, Archt., Wilson Bldg.; H. J. Curtis, Contr., 1209 1/2 Main St.*

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MACHINERY, PROPOSALS AND SUPPLIES WANTED

Air Compressor, etc.—Building Department, Board of Education, St. Louis, Mo.—Wants bids until Sept. 2 for electric fans, exhaust head, air compressor and storage tank.

Air Compressor.—Dist. Commrs., Room 509 District Bldg., Washington, D. C.—Receives bids September 2 to furnish and deliver one gasoline driven portable air compressor unit.

Barge.—U. S. Engineer Office, Galveston, Tex.—Receives bids Sept. 5 to furnish and deliver one 2000-bbl. steel oil barge.

Bottles, etc.—Guyan Machine Shops, Logan, W. Va.—Wants bottles or carboys, about 5-gal. capacity for shipping distilled water.

Brass Tubing.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives bids Sept. 1 to deliver brass tubing and liquid glue to Navy Yard.

Bridge.—Mannington, W. Va., will build 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—La Grange, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Washington, N. C. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Mason, Miss.—Receives bids for 5 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Tavares, Fla. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Deland, Fla. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Key West, Fla., will build 3 bridges. See Construction News—Road and Street Construction.

Bridge.—Lagrange, Tex.—See Construction News—Bridges, Culverts, Viaducts.

Bridge.—York, S. C. See Construction News—Road and Street Construction.

Bridge.—Philadelphia, Miss. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Moberly, Mo. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—South Carolina, State Highway Dept., Columbia, will build 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

Building Material.—Myers Y. Cooper, 408-16 Union Trust Bldg., Cincinnati, Ohio—Wants builders' tile, tile work, lumber, mill work, cement and building supplies for 100 dwellings at Coral Gables, Fla.; cost \$25,000 each.

Cafeteria Equipment.—H. L. Mills, 1600 Washington Ave., Box 1226, Houston, Tex.—Receives bids Aug. 29 for cafeteria equipment for public schools.

Canal.—Louisiana Highway Comsn., W. E. Atkinson, Chrmn., Baton Rouge, La.—Receives bids August 28 for digging fire protection canal on following highway: Federal aid project 43-D, Vinton Orange Highway, Calcasieu Parish; approximate quantities excavation 50,700 cu. yds.; W. B. Robert, State Highway Engr.

Cars (Mine).—Guyan Machine Shops, Logan, W. Va.—Wants mine cars, 44-in. gauge for low seam of coal.

Cast Iron Pipe.—See Sanitary Sewer and Water Works System.

Cement.—See Building Material.

Cement Building Block Machine.—Akin Realty Co., 183 N. E. Thirty-sixth St., Miami, Fla.—Wants to correspond with manufacturer of cement building block machines.

Chain (Drag or Dust).—Tar River Lumber Co., Rocky Mount, N. C.—Wants about 175 ft. of 6-in. drag chain or dust chain; either new or slightly used.

China Cups.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Sept. 2 for 2000 coffee cups, 9 oz. capacity, prices f. o. b. point of shipment; delivery Perry Point, Md.

Copper Wire.—Consolidated Wire & Associated Corps., 309 Fifth Ave., New York.—Wants all kinds of insulated copper wire.

Cotton Spinning Machine.—Rev. Cecil W. Troxel, 1804 Washington Blvd., Chicago, Ill.—Wants data and prices on cotton spinning machine, either foot or hand power.

Cutlery.—Capt. Bronchain, 27 Avenue Jef Lambeaux, Brussels, Belgium.—Wants to correspond with manufacturers of low priced forks, spoons and similar utensils, with view to representation.

Drainage Structure Material.—Grimes County Commrs. Court, Anderson, Tex.—Receives bids Sept. 1 to furnish material for drainage structures in Road Dists. 7 and 8; plans from Oscar A. Seward, Jr., County Engr., Navasota.

Dredging, etc.—U. S. Engineer Office, Second Dist., Army Bldg., New York.—Receives bids Sept. 14 for dredging and rock removal in New York and New Jersey channels.

Drilling.—Town of Vidalia, La., G. P. Bullis, Chrmn. Water Committee—Receives bids Sept. 1 to drill water well, 8-in. standard pipe.

Equipment (Lunch Room).—Building Department, Board of Education, St. Louis, Mo.—Wants bids until Sept. 2 for lunch room equipment for four schools.

Elevators (Passenger).—Building Department, Board of Education, St. Louis, Mo.—Wants bids until Sept. 2 for passenger elevators for Board Building.

Fire Extinguishers.—J. O. H. Simrall, Sec. Board of Education, Lexington, Ky.—Receives bids Sept. 3 for 43 gal. soda acid fire extinguishers and twelve tetrachloride fire extinguishers.

Flood Control.—Hidalgo County Commrs., Edinburg, Texas.—Receives bids September 22 for flood control work; approximate quantities are, 10,000 acres clearing; 1000 acres grubbing, 5,000,000 cu. yds. earth embankment; 102,000 cu. yds. earth excavation; 300,000 cu. yds. remodeling canals; 28,000 cu. yds. structural excavation; 4000 cu. yds. concrete; 350,000 lbs. reinforcing steel; 300,000 lin. ft. seasoning ditch; 1800 lin. ft. of 92 in. metal pipe; 400 lin. ft. of 18 in. and 1000 lin. ft. of 24 in. vitrified clay pipe; P. S. Devine, Engr., Pharr, Tex.

Flooring.—Guyan Machine Shops, Logan, W. Va.—Wants about 2000 sq. ft. flooring, 2 to 3 in. thick.

Forge Blower.—Oliver-Carter (Mehy Dealer), Wilmington, N. C.—Wants $\frac{1}{2}$ to $\frac{1}{4}$ h.p. direct-connected, single-phase, 60-cycle motor-driven forge blower.

Glass Tumblers.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids August 27 for 2084 doz. glass tumblers, about 9 oz. capacity; prices f. o. b. point of shipment.

Golf Equipment, etc.—R. S. Marshall, Supt. Parks, Birmingham, Ala.—Interested in golf equipment, seed, mowers, etc.

Hardware and Plumbing Supplies.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 10 to furnish hardware and plumbing supplies; Sch. 121; delivery Quantico, Va.

Harrow Teeth, etc.—Williams Manufacturing Co., Watertown, Tenn.—Wants to purchase harrow teeth and bolts; correspond with manufacturers.

Hose-Clamping Tools.—Landa Rock Products Co., New Braunfels, Tex.—Wants hose-clamping tools; correspond with manufacturers.

Isinglass.—Jno. R. Pender, Pender Hardware Co., Tarboro, N. C.—Wants American isinglass for sizing rollers in cotton mill.

Kitchen Equipment.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids September 1 for kitchen equipment, including 300 muffin pans, 250 coffee pots, 72 water pitchers, etc.; prices f. o. b. point of shipment.

Kitchen Supplies.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 31 for kitchen supplies, including 100 doz. knives, 150 scoops, 1000 lbs. steel wool, 48 doz. ice picks.

Laundry Machinery.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Sept. 8 for laundry machinery for U. S. V. Hospital No. 89, Rutland, Mass.

Loading (Sand and Gravel) Machinery.—J. W. Apperson, Buena Vista Hotel, Biloxi, Miss.—Wants sand and gravel loading machinery; to load barge from an island of sand, not a dredge, as sand is out of water.

Lumber.—See Building Material.

Machine Shop Equipment.—Guyan Machine Shops, Logan, W. Va.—Wants turret lathe for handling malleable and brass up to 2 $\frac{1}{2}$ -in. diam., shear and punch for slitting and punching $\frac{1}{2}$ -in. plate.

Machine Tools.—T. L. Miller, Pres. Miller Boiler & Tank Co., 711 East Elm Street, Enid, Okla.—Wants prices on McCabe flanger; 3 $\frac{1}{2}$ -ft. radial drill to handle a 4-in. flue cutter, either power hack saw or circular power cut-off saw; punches; splitting shears, etc.

Millwork.—See Building Material.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Wash-

ington, D. C.—Receives bids Sept. 1 to furnish elevator, drills, taps, pipe cutters, counter scales, hose couplings, pneumatic chipping tools, jacks, steel squares, pipe tongs, screwdrivers, hammers, rakes, etc. Blank forms and information (Circular 2390) on application to offices of Panama Canal; Addit. Purchasing Agents at Fort Mason, San Francisco, Cal.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Sept. 10 to furnish manganese steel dipper lips, reamers, drills, files, stocks and dies, pipe fittings, railing fittings, relief valves, scythe blades, shovels, hoes, wheelbarrows, brooms, brushes, etc. Blank forms and information (Circular 1692) on application to offices of Panama Canal; Asst. Purchasing Agents at 24 State St., New York; 611 Gravier St., New Orleans; Fort Mason, San Francisco, Cal.; also U. S. Engineer Offices throughout the country.

Nails, Rivets, etc.—John Zimmerman, R. F. D. No. 8, Box 1, Butler, Pa.—Wants data and prices on nails, rivets, hinges and other articles made from iron, steel, brass, copper, etc.

Overall Plant Machinery.—Eugene Lee, Sec. Chamber of Commerce, Dunn, N. C.—Wants data and prices on machinery for small overall plant.

Painting.—Bureau of Yards and Docks, Navy Dept., Washington, D. C.—Receives bids Sept. 16 for painting two 600-ft. radio towers at Naval Academy (High Power Radio Station, Greenbury Point), Annapolis, Md. Spec. No. 5141.

Painting.—Board of Awards, F. A. Dolfeld, Register, City Hall, Baltimore, Md.—Receives bids Sept. 2 for interior painting at No. 29 Engine Co., Park Heights Ave., also for No. 20 Engine Co. at North and Ellamont Ave.; C. H. Osborne, Inspector of Bldgs.

Paper.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Sept. 8 for 1920 (48 rolls) lbs. paper; 1152 lbs. (24 rolls) paper; 240 lbs. (12 rolls) index bristol paper.

Paving.—Decatur, Ala. See Construction News—Road and Street Construction.

Paving.—Jefferson City, Mo. See Construction News—Road and Street Construction.

Paving.—Mount Holly, N. C. See Construction News—Road and Street Construction.

Paving.—U. S. Engineer Office, Florence, Ala.—Receives bids Sept. 10 to furnish materials and construct vitrified brick pavement on roadway of Wilson Dam, Tennessee River.

Pipe (Gas and Water).—B. H. Bridges, City Auditor and Clerk, Tallahassee, Fla.—Receives bids Sept. 22 for following pipe and fittings: 10,800 ft. of 6-in., 6400 ft. of 3-in. and 4500 ft. of 2-in. cast-iron pipe; 18 crosses, 6x6x6x6; 36 6-in. plugs; 21 tees, 6x6x6x6; 1 tee 4x4x6; 1 "Y" 6x6x6; two crosses, 6x6x4x4, and 1 cross, 4x4x4x4; 1 reducer, 6x4; 4 3-in. tees and 5 3-in. crosses; 1 2-in. cross; 4 3-in. and 2 2-in. valves; 11 6-in. gate valves; 20 6-in. hydrants with steamer connection; Wm. R. Galt, City Mgr.

Pipes (Suction and Discharge).—U. S. Engineer Office, Norfolk, Va.—Receives bids Sept. 4 to construct and deliver suction and discharge pipes for U. S. dredge "Currituck."

Plumbing.—Myers Y. Cooper, 408-16 Union Trust Bldg., Cincinnati, Ohio—Wants plumbing for 100 dwellings at Coral Gables, Fla.; cost \$25,000 each.

Pump (Trash).—Sewerage Dist., Fred A. Hart, Sec., City Hall, Lake Charles, La.—Receives bids Sept. 14 for trash pump with 5-in. suction and 5-in. discharge, to handle sewage without clogging and reducing efficiency, with 12-in. lift to be handled by motors.

Rails (Relaying).—Dempster Equipment Co., Dempster Bldg., Knoxville, Tenn.—Wants 1 mi. of 60-lb. steel relaying rails. State prices delivered Swannanoa, N. C., gross tons with angle bars weighed in.

Road.—Tex., State Highway Dept., Austin—Receives bids for 11 roads. See Construction News—Road and Street Construction.

Road.—Clarksburg, W. Va. See Construction News—Road and Street Construction.

Road Building Materials.—Warren County Highway Comsn., G. M. Sudduth, Sec. First National Bank Bldg., Vicksburg, Miss.—Re-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

ecives bids Sept. 8 to furnish asphalt and slag for use in county.

Road.—Wheeling, W. Va. See Construction News—Road and Street Construction.

Road.—Elizabeth City, N. C. See Construction News—Road and Street Construction.

Road.—Bastrop, La. See Construction News—Road and Street Construction.

Road.—Key West, Fla., will build 4 roads. See Construction News—Road and Street Construction.

Road.—York, S. C., will build 2 roads. See Construction News—Road and Street Construction.

Road.—Maryland—State Roads Comsn., 601 Garrett Bldg., Baltimore. See Construction News—Road and Street Construction.

Road.—South Carolina, State Highway Dept., 1625 Main St., Columbia. See Construction News—Road and Street Construction.

Road.—San Antonio, Tex.—See Construction News—Road and Street Construction.

Sanitary Sewer and Water Works System.—City of New Port Richey, Fla., Elroy N. Avery, Mayor.—Receives bids Sept. 3 for sanitary sewer and water works system; 27,500 ft. of 8-in. and 1000 ft. of 6-in. cast iron pipe; 12½ tons cast iron special; 6100 ft. of 1½-in. galvanized iron pipe; 71 hydrants; 29 gate valves hub end; 34 1½-in. screwed gate valves; one set hydrant and valve wrenches; 3.8-mi. of 12, 10 and 8-in. sewer pipe with necessary manholes, flush tanks, sedimentation tanks and accessories; one 6000-gal. tank on 75-ft. tower; J. B. McCrary Engineering Corp., Engr., Atlanta, Ga.

Screening Plant, etc.—Geo. S. Matthews, Travis County Judge, Austin, Tex.—Receives bids Sept. 19 for combination crushing, screening and loading plant complete; delivery Austin.

Seating.—Capitol Avenue Baptist Church, W. H. Major, Pastor, Capitol and Georgia Aves., Atlanta, Ga.—Wants data and prices on pews.

Sewer.—First Sewerage District of Lake Charles, La.—Receives bids Sept. 14 for construction 230-ft. sewer west of Boulevard between Sixth and Seventh Sts.; specifications at office Sewerage Board, City Hall.

Sewer.—R. P. Moss, Auditor, Danville, Va.—Invites bids on pipe for sewer construction work during present year; work to be done by city forces; approximate cost \$50,000.

Sewers.—City Clerk, Dayton, Ga.—Receives bids Sept. 7 for approximately 3½ miles sanitary sewerage with necessary manholes and appurtenances; also two reduction tanks; E. V. Camp and associates, Engrs., Atlanta.

Shovel (Steam).—Mills Equipment Co., Chattanooga, Tenn.—Wants ¾-yd. steam shovel mounted on crawlers, full revolving, high lift, prefer Erie but will consider other makes; Southern delivery.

Shovel.—Hackley Morrison Co. (Mech. Dealer), 1708 Lewis St., Richmond, Va.—Wants one ¾-yd. steam shovel, crawler type tractor preferred, either an Erie, Bucyrus or Marion.

Steel Plates.—Guyan Machine Shops, Logan, W. Va.—Wants steel plates, sheets, bars and shapes.

Steel and Steel Shapes, etc.—T. R. Miller, Pres. Miller Boiler & Tank Co., 711 E. Elm St., Enid, Okla.—Wants prices on about 60 tons structural shapes; 100 tons tank steel plates; 30 tons of boiler or flanged steel; 75 tons flats, rounds, angles, bands, squares in mild steel; and about 36,000 lbs. galvanized sheets.

Storm Drainage and Sewers.—Board of Awards, F. A. Dolfeld, City Register, Baltimore, Md.—Receives bids Sept. 2 for storm drainage and sanitary sewers in sewer districts J. and 38: 500 lin. ft. 60-in. reinforced concrete pipe drain; 65 lin. ft. 54-in. brick and concrete drain; 285 lin. ft. 12-in. vitrified pipe sewers; 180 lin. ft. of 8-in. and 500 lin. ft. of 6-in. underdrain; 80 vertical ft. standard manholes; Milton J. Ruark, Sewerage Engr.; B. L. Crozier, Ch. Engr.

Street.—Mt. Dora, Fla. See Construction News—Road and Street Construction.

Street.—Armory, Miss. See Construction News—Road and Street Construction.

Street.—Savannah, Ga. See Construction News—Road and Street Construction.

Street.—Clearwater, Fla. See Construction News—Road and Street Construction.

Street.—Miami, Fla. See Construction News—Road and Street Construction.

Street.—Palm Beach, Fla. See Construction News—Road and Street Construction.

Subsistence Stores.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 2 to furnish subsistence stores, delivery Depot Quartermaster, foot Snyder Ave., Philadelphia, Pa.; Sch. No. 119.

Surgical Supplies.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 4 for surgical supplies; prices f.o.b. point of shipment.

Switch Plates.—Norfolk & Western Ry. Co., Clyde Cooke, Purchasing Agent, N. and W. Rwy. Bldg., Roanoke, Va.—Receives bids Sept. 2 for 6000 switch plates, Contr. Serial No. AA-368.

Tank and Tower.—See Sanitary Sewer and Water Works System.

Textiles.—Mrs. J. M. Meloan, 310 Main St., Murray, Ky.—Wants data and prices on materials, such as khaki, denim, etc., for making aprons for mechanics, shoemakers, printers, etc.

Tile and Tile Work.—See Building Material.

Tile Roof.—U. S. Engineer Office, Florence, Ala.—Receives bids September 8 to furnish materials and laying tile cover on lead gallery roof of Wilson Dam, Tennessee River.

Tires.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Aug. 28 to furnish 100 pneumatic tires; delivery Philadelphia, Pa. Sch. No. 116.

Trailers.—Hackley Morrison Co. (Mech. Dealer), 1708 Lewis St., Richmond, Va.—Wants two-wheel trailers, with capacity of 2000 lbs.

Ventilating System.—Capitol Avenue Baptist Church, W. H. Major, Pastor, Capitol and Georgia Aves., Atlanta, Ga.—Wants data and prices on ventilating system.

Water Works Materials.—J. J. Scott, City Clerk, Macon, Miss.—Receives bids Sept. 1 for 1360 ft. of 6-in. cast iron, extra heavy bell pipe; three 6-in. cast iron tees; 2 fire hydrants with two 12-in. standard hose connections; two 6-in. plugs; 1360 lbs. pig lead; 136 lbs. oakum one 6-in. gate valve; one valve box.

Well.—Town of Brunson, S. C., T. W. Brunson, Treas.—Invites bids for boring artesian well.

Wooden Boxes.—The Southern Desk Co., G. F. Ivey, Sec., Hickory, N. C.—Wants small wooden boxes about size of shoe box.

Trade Literature

Folders About Lead-Hydro-Tite.

Folders issued by the Lead-Hydro-Tite Company, 192 Boylston street, Boston, Mass., tell why their product possesses advantages over lead for the installation of water mains, as it reduces the cost of making joints of bell and spigot pipe. It is claimed that a saving of 75 per cent is possible and that the tightest of joints are made. Directions for use and illustrations of tests are given.

About Cast-Iron Pipe.

"Pipe Progress," published by the American Cast-Iron Pipe Co., Birmingham, Ala., contains in its August number contributions on various subjects as follows: Rubber-joint rings, cost of pipe per foot, bronze welded pipe, Acipio price differentials, branch offices, etc. There are a number of pages left blank at the back of the booklet for use as a scratch pad, the leaves being perforated to be easily detached.

Delta Portable and Stationary Elevators.

The New Jersey Foundry & Machine Co., 90 West St., New York, has issued Catalogue 106 about the Delta portable and stationary elevators for use in industrial plants, warehouses, stores, freight stations, etc. Each of the different patterns is well illustrated with descriptive matter, as are the various attachments. There are also a number of other pictures representing these elevators at work under various conditions so that customers may understand exactly the results which may be obtained by their use.

Underwriters Fire Extinguisher.

The Underwriters Fire Extinguisher, manufactured by Knight & Thomas, Inc., Boston, Mass., is adequately and entertainingly described and illustrated in a small catalogue issued by that firm. Its various advantages are related in detail and the handiness of the extinguisher, as well as its unfailing service when needed, are convincingly told. In addition to the large size made for use in business establishments, there is a smaller size made for dwelling houses, schools, hospitals, etc., where a lighter extinguisher may be desirable.

Hyatt Roller Bearings for Conveyors.

Bulletin No. 1015 relating to Hyatt Roller Bearings for Conveyors has been issued by the Hyatt Roller Bearing Company, Newark, N. J. By means of many excellent illustrations, some of them of cross sections of the Hyatt product, and much clearly written and finely printed reading matter one is given a comprehensive understanding of the merits of these bearings and their use for various purposes, but especially for conveyors. Emphasis is laid upon their strength, efficiency, economy and long life and there is given ample tabulated data to illuminate the descriptive material.

A New Model K Cletrac Bulletin.

The new Model K Cletrac is pictured and fully described in a bulletin issued by the Cleveland Tractor Company of Cleveland, Ohio. It is stated that this machine fully meets the needs of contractors, construction men and farmers who have long wanted a tractor fully capable of doing all sorts of heavy work, but without being so heavy, so bulky and so high priced as to be too big for all-round use. It is noted that this model easily handles an eight-foot grader with full bite and it also readily pulls a three-bottom 14-inch plow. It handles easily and turns in its own length.

Vogt Ammonia Condenser Bulletin.

The Henry Vogt Machine Company, Louisville, Ky., have recently compiled a new ammonia condenser bulletin marked AC-2, which tells all about the advantages of the Vogt machines for securing better refrigeration. The aim of the company in issuing this publication is to assist purchasers of condensers to select the kinds best suited to particular needs and to local conditions. In addition to the information given in the bulletin, there is also available for customers the knowledge possessed by the company's engineering department in consequence of its forty years of experience in designing and constructing refrigerating equipment. The bulletin is finely illustrated.

Booklet of Paper Made from Cotton Linters.

A booklet compiled by the employees of the Alabama Power Company and containing expressions of the press—including the MANUFACTURERS RECORD—and of various other organizations concerning the company's winning of the Forbes Public Service Cup for its work in 1924 has been published. It is dedicated by the compilers to President Thomas W. Martin with introductory remarks appreciative of his energy and devotion. On one of the pages is the following exceedingly interesting and important statement: "The paper on which this booklet is printed was manufactured in the South, of raw materials produced in the South, and with power generated by Southern rivers and Southern coal." Furthermore, it is particularly notable that the paper was made from cotton linters and that it is very white and substantial.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

New Equipment Firm.

The firm of McCarron, Raftery & Co., 501 Fifth avenue, New York, has been formed by George McCarron and Walter E. Raftery for the sale of equipment for earth removal and for general construction purposes.

Change of New York Representatives.

The R. E. Brooks Company, 50 Church street, New York, is now representing A. W. French & Co. of Chicago, manufacturers of the O R D concrete road finisher, the former New York representative having been the Ginsberg-Penn Company.

Haiss Makes Addition to Plant.

The George Haiss Manufacturing Company, 141st street and Park avenue, New York, is completing an addition to its plant in the shape of a one-story building 150 by 225 feet and 28 feet high, with a mezzanine floor, and of steel, concrete and brick construction. This addition will be used as a machine and assembly shop in the production of Haiss wagon loaders and of crawler attachments for Fordson tractors. It is equipped with a fifteen-ton electric crane of 50 feet span, another of ten tons capacity, with equal span, and a third, which is also of ten tons capacity, with 25-foot span. The building will add 40,000 square feet of floor space to the plant.

Sales Representatives Appointed.

The LaPlant-Choate Manufacturing Company, manufacturers of tractor trailers, snow plows, house-moving tools, stump pullers and tractor scrapers, Cedar Rapids, Iowa, are represented at Knoxville, Tenn., by R. L. Harris, 711 Jacksboro street, and the Wagner Sales Company, 525 State street, but the latter may remove to Nashville to be closer to the center of their sales territory, which is in the middle of the state, Mr. Harris having the eastern part. Other representatives in the South include the G. C. Phillips Tractor Company, 116 North 17th street, Birmingham, Ala., covering that state, and Yancey Brothers, Atlanta, who cover Georgia. McDonald & Burgman, 518 Volusia avenue, Daytona, Fla., are representatives in that state on tractor attachments.

Big Order for Allis-Chalmers Pumps.

The Allis-Chalmers Manufacturing Co., Milwaukee, Wis., has received an order from the Ozark Pipe Line Corporation for 25 main line pumps, the value of this contract being approximately \$700,000. The corporation operates a pipe line from Heaton, Okla., to East St. Louis, Ill., delivering oil to the Wood River refinery. As the Allis-Chalmers company furnished 19 pumps for the line when it was built several years ago, this will make a total of 44 pumps which they supplied to the corporation, besides related

equipment. It is stated that each of the new pumps can handle 14,000 barrels of oil daily. They are of the horizontal plunger type and are driven by Diesel engines. It is also to be noted that the company lately booked a \$1,000,000 order from the Public Service Company of Illinois.

Road Building Plant to Be Sold.

According to a formal notice which appeared in the MANUFACTURERS RECORD August 20, a concrete road-building plant is to be sold at the courthouse in Wentworth, Rockingham County, N. C., at the hour of noon on August 31. Further information will be found in the advertisement.

York Ice and Refrigerating Sales.

The York Manufacturing Company, York, Pa., reports having made 204 sales and installations of its ice-making and refrigerating machinery throughout the country from July 28 to August 18, including 54 in the South at various places, as follows: Norborne, Mo.; West Nashville, Tenn.; Altus, Okla.; Lenoir, N. C.; Louisville, Ky.; Little Rock, Ark.; St. Louis, Mo.; Frisco, Tex.; Sweetwater, Tex.; Daytona, Fla.; Isleworth, Fla.; Tampa, Fla.; Wells Grove Spur, Fla.; Ansley, La.; Natchez, Miss.; Sweet Briar, Va.; Avon Park, Fla.; Savannah, Ga.; Jonesboro, Tenn.; Dawson, Ga.; Milledgeville, Ga.; Hamilton, Tex.; Griffin, Ga.; Macon, Ga.; San Angelo, Tex.; Fort Smith, Ark.; Houston, Tex.; Stephenson, Miss.; Walhalla, S. C.; Anniston, Ala.; Pennsboro, W. Va.; Chuckatuck, Va.; Frostburg, Md.; Fountain City, Tenn.; Koch, Mo.; St. Augustine, Fla.; Pensacola, Fla.; Rocky Mount, N. C.; Kenova, W. Va.; Canal Point, Fla.; Oakland, Fla.; Palm Beach, Fla.; Bristol, Va.; Barnwell, S. C.; Raleigh, N. C.; Jacksonville, Fla. At several cities two or more installations were made.

Origin and Growth of the Morris Plan Banks.

Supplementary to an article on the Morris Plan Banks system in the MANUFACTURERS RECORD, August 6, and somewhat in clarification of some statements in that article, the MANUFACTURERS RECORD receives from President Thomas C. Boushall of the Morris Plan Bank of Richmond an interesting sketch of Arthur J. Morris and his great financial work, written by Vice-President Philip Woolcott of the Richmond bank for the Southern Banker. From this historical resume one learns:

At the outset Mr. Morris was a lawyer, and was moved to a study of finance and banking by "continuous requests of small clients to help them borrow needed sums of money." Thus interested, he visited Europe to study banking there with a view to developing a system through which credit might be extended to the "little fellow" at reasonable rates of interest and on terms fair to both the borrower and the lender. As the result of his investigation, and of his own thought, Mr. Morris ultimately concluded that "the soundest of economic principles required the setting up, out of current income, a proportionate reserve to meet an obligation at maturity," or, in the case of the Morris Plan, "requiring the borrower to deposit out of his weekly or monthly salary, over a period of a year, an amount which will equal his loan at maturity."

On this foundation Mr. Morris first established a Morris Plan Bank at Norfolk in 1910, and then visited New York, the financial center of the country, to interest others in his work. He "gathered to his standard a group of men unsurpassed in financial standing, integrity and success," and the banks in the system increased in number and began to spread over the face of the land. Came the trials of the great war, yet the banks stood up, and the pressure of inflation and the industrial and financial depression which followed failed to shake them. Their number today is given as 112.

As the main purpose of the first bank, Mr. Morris had in mind "the making of small loans for remedial purposes," but also he visualized a great national system of banks for constructive loans as well as remedial. He visioned "a vast repository for savings, a nation-wide organization for the distribution of sound investment securities to the small buyer, for cash or on the instalment plan.

"The Morris Plan is the bank of the individual adapted to the individual's needs," is Mr. Woolcott's summary.

As an example of the method employed, a hypothetical case is cited of a man who applies for a loan of \$200, for some useful purpose, "such as consolidating his bills, making improvements on his home, or paying for the education of his children"; he offers the endorsement of two friends, who prove satisfactory to the bank. Against this loan is charged 12 months of interest at 6 per cent, \$12, and an investigation fee of \$4, and the borrower receives \$184. Weekly payments required as deposits on this loan would run to \$4 and the deposits would draw interest at 3 per cent on a quarterly basis, making \$2.24.

If a borrower give marketable collateral, no investigation fee is charged, and this fee ranges from \$1 on a \$50 loan to \$10 on a loan of \$1500 or more. Loans run from \$50 to \$10,000, according to circumstances relating to the various banks and the laws of the states under which they operate, and run as long as 12 months, but not under three months. Several arrangements convenient to borrowers also are made by the banks.

So, from the first little \$20,000 bank at Norfolk, says Mr. Woolcott, the system has grown to 112 banks and branches with combined capital, surplus and undivided profit accounts of \$19,000,000, with savings deposits of \$42,000,000, total resources over \$112,000,000 and a record from March, 1910, to April 30, 1925, of 3,125,000 loans, totaling \$632,000,000, an average of about \$200 for each loan.

Mergers

The Merger is the practical, modern-day method of *reviving the fittest*. *Survival* of the fittest today is not enough. *Revival* is necessary—new life, new energy, new effort—economically.

The Merger is much more than just getting together. It picks the best of the necessary and the vital from many similar efforts and makes them into one supreme accomplishment.

The reason for it is the *elimination of waste in industry*—not alone the waste of time and material, but the larger mental and physical wastes—duplication of efforts, of capital, of organization.

The result of it—or, more properly, the result of following the constructive suggestions of the Government's Committee on the Elimination of Waste in Industry, of which the Merger is but a part—is that waste in industry in the United States is being reduced by more than \$600,000,000 annually.

The Merger is no plaything. Every detail, from its conception to its smooth and effective operation, demands *exact knowledge*—based, not alone on facts and figures, but on most intimate and practical accounting experience in many fields and nation-wide in extent.

It has been the privilege of ERNST & ERNST to serve many industries in their serious desires to eliminate waste thru the Merger.

ERNST & ERNST

AUDITS - SYSTEMS

TAX SERVICE

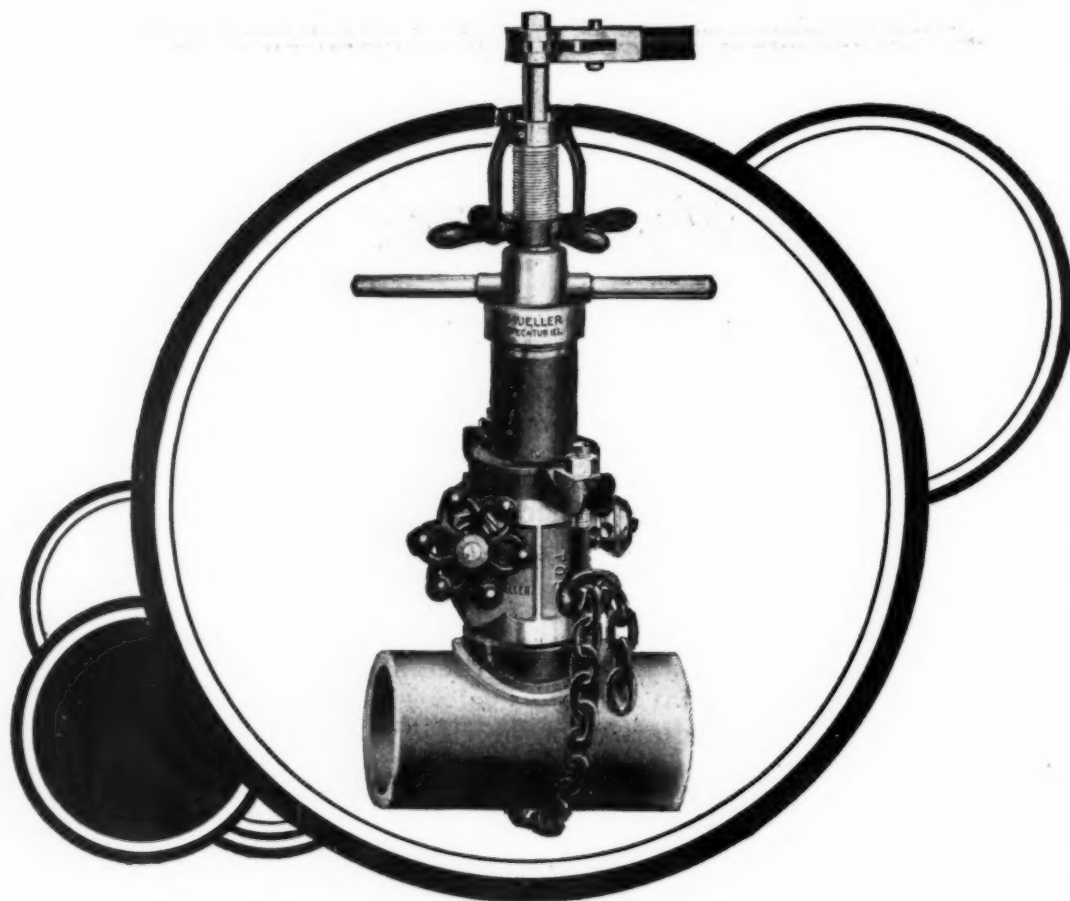
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WHEELING
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90% of all Taps—Mueller Made

Mueller machines make 90% of all the taps in the U. S.

The "B" machine illustrated above will tap a main under pressure and insert a corporation stop. When used in connection with Mueller corporation stops a perfect, non-leak-

ing and permanent joint is the result.

It taps $\frac{1}{2}$ inch to 2 inches, in open or dry pipe. A powerful, positive, time-saving, money-saving machine. Prices and full description upon request.

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MUELLER

For All
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Equipment

VIRGINIA

is progressive

UNPRECEDENTED business expansion is now taking place throughout the South.

Tidewater Virginia—

Richmond, Norfolk, Petersburg, Portsmouth, Suffolk, Fredericksburg, Hopewell offer unexcelled opportunities.

Close to the great centres of population.

Excellent steam railway service to all sections.

Adequate, reliable and cheap electric power for all kinds of manufacturing business.

The finest harbor on the Atlantic Coast with direct steamship communication to every port in the World.

Favorable and interested State and City administrations.

Plenty of good labor.

Equable climate.

A-1 banking facilities.

Great coal fields within a few miles.

No better place in which to live.

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Richmond Norfolk Portsmouth Petersburg Fredericksburg
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J. F. McLAUGHLIN,
Vice-President

Under Executive Management
of
STONE & WEBSTER, Inc.

FINANCIAL NEWS

Bond Issues Proposed

Ala., Bessemer—Improvement—City receives bids Sept. 1 for \$45,000 5½% bonds; Address The Mayor.

Ala., Phenix City—Water Works—City will vote Sept. 23 on \$125,000 bonds election; address the Mayor.

Ala., Tuscaloosa—Improvement—City receives bids Sept. 1 for \$19,000 5% bonds; D. B. Robertson, Pres. Board of Comms.

Ala., Tuscaloosa—Public Improvement—Board of Comms., D. B. Robertson, Pres., receives bids Sept. 1 for \$12,000 5% \$1000 denom. bonds.

Fla., Apalachicola—Road—Franklin County voted \$250,000 bond issue.

Fla., Bradenton—School—Manatee County, Palm View Special School Tax Dist. voted \$25,000 and Frog Creek Special School Tax Dist. voted \$20,000.

Fla., Brooksville—Road—Hernando County voted \$1,000,000 bond issue. Address County Comms.

Fla., Cross City—Road and Bridge—Dixie County Comms. receive bids Sept. 18 for \$30,000 6% Special Tax Road and Bridge Dist. No. 1 bonds. W. T. Green, Chmn.; L. L. Barber, Clk.

Fla., Dundee—Water Works—Town, John Olsen, Clk., receives bids Sept. 14 for \$25,000 6% bonds.

Fla., Fort Lauderdale—Drainage—Napoleon B. Broward Drainage Dist., 213 Maxwell Bldg., Fort Lauderdale, receives bids Sept. 2 for \$250,000 6% bonds; James S. Rickards, Sec. and Treas.

Fla., Groveland—Municipal Improvement—Town voted \$100,000 bond issue; \$40,000 water works, \$15,000 City Hall, \$10,000 park improvement, \$35,000 paving.*

Fla., Jacksonville—Road—Duval County Comms. receive bids Sept. 21 for \$1,500,000 bond issue.

Fla., Jasper—School—Hamilton County, W. W. Bradshaw, Sec. Board of Public Instruction, receives bids Sept. 7 for \$120,000 6% bonds.

Fla., Leesburg—Municipal—City receives bids Sept. 14 for \$265,000 bonds for water front development, park, building City Hall and Canal and \$44,000 special assessment bonds for dredging, filling and improvement in Lakes and ponds in city; W. E. Harkness, City Clk.

Fla., Lakeland—Water Works—City, J. L. Davis, Clk., voted \$625,000 bonds.*

Fla., Large—Improvement—Town will vote Sept. 8 on \$60,000 bond issue; \$40,000 water, \$7,000 park and playground, \$3,000, garbage disposal, \$10,000 fire station; Address City Clk.

Fla., Live Oak—Road—Suwannee County Comms. contemplate \$1,000,000 bond election; Col. John F. Harrell, Atty.

Fla., Milton—School—Santa Rosa County Special Tax School Dist. No. 9-B receives bids Sept. 8 for \$50,000 6% bonds.

Fla., Ocala—School—Marion County, Special Tax School Dist. No. 36 receives bids Sept. 15 for \$12,000 5% bonds.

Fla., Ocala—Street—City, H. C. Sistrunk, City Clk., receives bids Sept. 8 for \$280,000 6% bonds.

Fla., Palmetto—Town, E. H. Mason, City Clk., receives bids Sept. 1 for \$623,000 5½% s-a improvement bonds.

Fla., Pensacola—Municipal Improvement—City voted \$510,000 bond issue; \$120,000 sanitary sewerage, \$40,000 storm sewer, \$150,000 paving; \$50,000 water works; \$5000 fire department; \$20,000 fire department equipment; \$25,000 parks and playground, \$100,000 golf course.*

Fla., Punta Gorda—Electric—City Hall—City will vote on \$150,000 electric light plant and city hall. R. C. Blount, City Clk.

Fla., Sebring—Municipal Improvement—Town, A. M. Wolfe, Town Clk., receives bids Sept. 22 for \$695,000 6% bonds; A. W. Lawrence, Mayor.*

Fla., Sebring—Street Improvement—Town, A. M. Wolfe, Town Clk., receives bids Sept. 4 for \$259,000 6% \$1000 denom. bonds; A. E. Lawrence, Mayor.

Fla., St. Augustine—School—St. Johns

County, School Tax Districts No. 1 and 2, voted increase in tax for school bonds.

Fla., Tarpon Spring—Improvement—City voted \$525,000 bond issue; \$400,000 water plant on Lake Butler, \$75,000 sewerage, \$50,000 bathing beach and pier. Address City Clk.

Fla., Whitehouse—School—Special School Dist No. 6, Whitehouse, Marietta and Pasadena sections, Duval County, voted \$100,000 bonds.

Fla., Winter Garden—Improvement—City receives bids Aug. 30 for \$126,000 bonds. Address City Clk.

Ga., Homerville—School—Clinch County, DuPont consolidated school district will vote in Sept. on \$25,000 bond issue; L. E. Dickerson, Sec., Board of Trustees.

La., Gretna—School—Jefferson Parish, J. C. Ellis, Supt. Parish School Board, receives bids Sept. 5 for \$600,000 bonds.

La., Kenner—Water Works—Town will vote Sept. 15 on \$100,000 bond issue. Address The Mayor.

La., Jennings—School—Jefferson Davis Parish, Road Dist. No. 4, John T. Hood, Clk., Police Jury, receives bids Sept. 3 for \$14,000 6% bonds.

La., Vidalia—Road—Concordia Parish, Police Jury, P. C. Brown, Pres., receives bids Sept. 15 for \$150,000 5% \$1000 denom. bonds.

Md., Rockville—Road—Montgomery County Comms. receive bids Sept. 15 for \$58,000 4½% bonds.

Miss., Corinth—Road—Alcorn County, W. L. Madden, Chancery Clk., receives bids Sept. 8 for \$150,000 bonds.

Miss., Ripley—School—City will vote Sept. 4 on \$8000 bonds. Address the Mayor.

Mo., Chillicothe—City Hall—City plans \$75,000 bond election. Address City Clk.

Mo., Farmington—Courthouse—St. Francois County voted \$250,000 bond issue.*

Mo., Hartsville—Electric—City will vote Sept. 8 on \$8000 bond issue. Address the Mayor.

Mo., Sikeston—Sewer—City, Maeme S. Pitman, City Clk., plans \$82,000 bond election.

Mo., Willow Springs—Water Works—City voted \$10,000 bonds. Address City Clk.

N. C., Elizabeth City—Municipal Wharves Property—City defeated \$32,000 bond issue.*

N. C., Goldsboro—Street—City, Board of Aldermen, receives bids Sept. 7 for \$30,000 6% \$1000 denom. street and sidewalk bonds; J. G. Spence, City Clk.

N. C., Kenansville—Road—Duplin County, Board of County Comms., receives bids Sept. 21 for \$520,000 bonds; Lawrence Southerland, Clerk.

N. C., Murfreesboro—Street—Town voted \$15,000 bond issue; Address The Mayor.

Okl., Vinita—Road—Craig County contemplates \$600,000 bond election; address County Comms.

S. C., Jonesville—Water and Sewer—Town Council receives bids Sept. 3 for \$50,000 water works bonds and \$27,000 sewer bonds; J. H. Alman, Mayor; E. S. McWhirter, Town Clk. and Treas.*

S. C., Sumter—Road and Bridge—Sumter County, J. J. Brennan, Sec. Road Com., receives bids Sept. 3 for \$150,000 bonds.

Tenn., Dickson—Sewer and Water—City will vote Sept. 15 on \$100,000 sewer and \$25,000 water bonds. Address City Clerk.

Tenn., Elizabethton—Road—Carter County plans issuing \$15,000 bonds. Address County Comms.

Tenn., Franklin—School—Town receives bids Sept. 1 for \$100,000 5% bonds; L. W. Buford, Mayor.*

Tenn., Franklin—School—Town, L. W. Buford, Mayor, receives bids Sept. 1 for \$100,000 5% bonds.*

Tenn., Franklin—School—City, Mayor L. W. Buford, receives bids Sept. 1 for \$100,000 5% bonds.*

Tenn., Knoxville—School—City, John C. Borden, Director of Finance, receives bids Sept. 1 for \$250,000 bonds.*

Tenn., Lewisburg—School—Marshall County,

W. P. McClure, Chmn. County Court, receives bids Aug. 29 for \$50,000 5% bonds.

Tenn., Ripley—School—Lauderdale County, Second Civil Dist., will vote Sept. 17 on \$10,000 bonds.

Tenn., Springfield—School—City will vote soon on \$60,000 bond issue. Address City Clk.

Tenn., Watertown—Water—City voted \$55,000 bond issue.*

Tenn., Winchester—Sewer—City, Mayor and Aldermen receive bids Aug. 31 for \$70,000 5% bonds.

Tex., Big Lake—Water—City votes Aug. 29 on \$25,000 bond issue. Address the Mayor.

Tex., Boerne—Water Works—City, H. L. Davis, Mayor, plans bond election.

Tex., Brownsville—Flood Control and Prevention—Cameron County Comms. voted \$1,500,000 bond issue.*

Tex., Caldwell—Road—Burleson County Comms., Road Dist. No. 1, will vote Sept. 15 on \$600,000 bond election.

Tex., Corpus Christi—Sewer—City will vote Sept. 21 on \$250,000 bond issue; Thomas B. Southgate, Judge.

Tex., Cuero—Roads—DeWitt County, Stanley Kulawik, R. D. No. 1, De Witt County, votes in Sept. on \$250,000 bond issue.*

Tex., El Campo—Sewers—City votes Sept. 12 on \$60,000 bond issue; W. L. Ballen, Mayor.

Tex., Morton—School—Morton Independent School Dist. voted \$50,000 bonds.

Tex., O'Donnell—Water, Drainage—City defeated \$65,000 water works and \$25,000 drainage bonds.

Tex., San Angelo—Road—Tom Green County Comms. will vote Sept. 19 on \$500,000 bond issue.

Tex., San Antonio—Improvement—Bexar County will vote Sept. 19 on \$2,050,000 bond issue; \$50,000 building for delinquent boys, \$1,400,000 courthouse addition and \$600,000 bridges and road construction. Augustus McCloskey, County Judge, San Antonio.

Tex., Stephenville—Road—Erath County, Road Dist. No. 5, defeated \$85,000 bonds.

Tex., Texarkana—Paving—City Council receives bids about Sept. 1 for \$200,000 bonds. Address City Clk.*

Va., Warrenton—Road—Rauquier County, Marshall Magisterial Dist. will vote Sept. 8 on \$120,000 bond election.

Tex., Yoakum—Road—Lavaca County, J. F. Holubec, County Auditor, receives bids Sept. 1 for \$50,000 5% Dist. No. 2 bonds.

Bond Issues Sold

Ala., Fairfield—Street—City sold \$42,000 6% bonds to Marx & Co., Birmingham, at 102.15.

Fla., Clearwater—Road—Pinellas County, Special Road and Bridge Dist. No. 12, sold bonds to Davis, Miller & Cobb, Clearwater, at \$403.750, or 95.

Fla., Dade City—School—Dade City School Dist. sold \$125,000 bonds to G. R. Durrance & Co., New York, at premium of \$6000.

Fla., Tampa—Road—Seminole County Comms. sold \$760,000 5½% bonds to Provident Savings Bank & Trust Co., Provident Bank Bldg., Breed, Elliott & Harrison, 504 First National Bank Bldg., and W. H. Silverman, 1 Lenox Lane, Avon, all of Cincinnati, at premium of \$7600.

Fla., Winter Haven—Funding—City, M. L. Hinderliter, Clk., sold \$60,000 bonds to Florida National Bank, Jacksonville, at \$91.564.*

Ga., Summerville—School—Summerville School Dist., Board of Trustees, C. L. Hale, Chmn., sold \$15,000 5½% bonds to Robinson-Humphrey Co., Citizens & Southern Bank Bldg., Atlanta, at \$15,250.*

La., Amite—School—Tangipahoa Parish School Board, W. J. Dunn, Supt. of Schools, sold \$12,000 6% bonds to Kentwood Bank, Kentwood, La., at par and accrued interest.*

La., De Ridder—Beauregard Parish Police Jury sold \$10,000 6% coupon excess revenue bonds to Weil, Roth & Irving Co., Cincinnati, at premium of \$8.

La., Lake Charles—Terminal—Lake Charles Harbor and Terminal District sold \$500,000 bond issue to the Blanton Banking Co., Scanlan Bldg., Houston, Tex., at par and premium of \$1077.

(Continued on page 114.)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

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FINANCIAL NEWS

(Continued from page 112.)

La., Springville—Road—Livingston Parish, Sub-Road District No. 1 of Road Dist. No. 2 sold \$12,000 6% bonds to Hammond Gravel Co., Hammond, at premium of \$100.

Miss., Laurel—School—City sold \$225,000 Laurel Municipal School bonds to Laurel Commercial Bank and Trust Co. at premium of \$2100.*

N. C., Graham—School—Alamance County, Eli Whitney School Dist. sold \$7500 6% bonds to Ryan, Sutherland & Co.

N. C., Kernersville—Paving—Town sold \$158,000 5½% bonds to American Trust Co., American Bldg., Charlotte.*

S. C., Blacksburg—School—Cherokee County, Centralized School Dist., sold \$100,000 5% bonds to J. H. Hillman & Co., Inc., Atlanta Trust Company Bldg., Atlanta.

Tenn., Columbia—Refunding—City sold \$68,000 4½% bonds to American National Co., 235 Third Ave., Nashville.

Tenn., Kingsport—School Improvement—City sold \$250,000 5½% school bonds and \$20,000 6% public improvement bonds to Caldwell & Co., Nashville, at par, accrued interest and premium of \$1200.*

Tenn., Nashville—Water Works—City sold \$1,000,000 4¾% bonds to Harris Trust & Savings Bank, 115 W. Monroe St., Chicago, at premium of \$21,000.

Tex., Abilene—Improvement—City sold \$710,000 bond issue and \$135,000 refunding bonds to Brown, Crummer & Co., Kirby Bldg., Dallas, at par, accrued interest and premium of \$2130; sewer, \$50,000; \$250,000, water; \$160,000, school; \$50,000, fire stations; \$125,000, city hall, and \$75,000, municipal auditorium.*

Tex., Dallas—Auditorium—City sold \$115,000 5½% bonds to Brown, Crummer & Co., Kirby Bldg.

Tex., Greenville—School—Pitt County, Greenville School Dist. sold \$15,000 to H. C. Bent & Co., Dallas, at premium of \$120.

Va., Manassas—School—Prince William County, Manassas School Dist. sold \$53,000 5% bonds to National Bank of Manassas at par.

Building and Loan Associations

Ky., Lexington—Lexington Building and Loan Association increase capital to \$2,000,000; J. T. Simmons, Sec.

Tex., Bay City—Bay City Building & Loan Assn., capital \$400,000, incorporated; E. N. Gustafson, S. S. Taylor.

Tex., Dallas—Texas Building & Loan Assn. of Dallas, capital \$10,000,000, incorporated; James Blair Harris, Wylie A. Parker.

New Financial Corporations

Ala., Birmingham—Alabama Acceptance Co., capital \$1,000,000, incorporated; R. A. Brown, Woodward Bldg.; will purchase motor vehicle purchase notes.

Ark., Ashdown—C. E. Johnson, Ashdown, and Nathan Clingan, Delight, interested in establishing bank with \$25,000 capital.

Ark., Hot Springs—Arkansas Investment Co., capital \$50,000, incorporated; J. Gus Borland, 1401 Central St.

Fla., Avon Park—Peoples' Mutual Loan Association of Highlands County, William King, George L. Crews.

La., New Orleans—Rosalex Investment Co., Inc., capital \$100,000, chartered; Alex Hyman, 728 Gravier St.

La., Shreveport—Home Owners Mortgage Co., capital \$150,000, incorporated; F. R. Hodges, Stoner Ave.

Miss., Jackson—New Albany Investment Co., capital \$50,000, incorporated; W. A. Howard, New Albany, J. W. Howard, Louisville.

Mo., St. Louis—Metropolitan Loan & Investment Co. plans increasing capital, \$12,000 to \$35,000.

N. C., Chapel Hill—Bank of Chapel Hill organized by merger of Peoples Bank and Chapel Hill.

N. C., Thomasville—Thomasville Credit Co., capital \$100,000, incorporated; T. J. Finch, G. W. Lyles.

Tenn., Dyersburg—People's Bank and Trust Co., capital \$10,000, incorporated; Dr. W. P. Watson, C. B. Parrish.

Tenn., Nashville—Marvin P. Frazier & Co., 129 Eighth Ave., capital \$50,000, incorporated; Marvin P. Frazier, W. D. Gale.

Tenn., Westmoreland—Farmers & Merchants Bank of Westmoreland, capital \$10,000, chartered; J. O. Williams, Daily Freeman.

Tenn., Clarksville—Investment Trust Co., capital \$16,000, incorporated; Wesley Drane, C. W. Bailey.

Tex., Freeport—Freeport Finance Co., capital \$25,000, incorporated; H. G. Leonard, W. C. McLendon.

Va., Gore—Western Frederick Bank increased capital, \$15,000 to \$25,000; M. C. Garvin, Pres.

Va., Harrisonburg—Harrisonburg Loan & Thrift Corp., capital \$30,000, chartered; W. L. Dechert, Thos. J. Beery.

Va., Norfolk—Mortgage Security Corp. of America, 111 W. Freemason St., increased capital to \$1,400,000; Joseph B. Hecht, Pres.

Book Reviews

History of the Cabinet. By William Henry Smith. Baltimore: The Industrial Printing Company. 1925. Cloth. Pp. 537.

This large, handsomely printed and bound volume contains the story of the Cabinet of the United States of North America from the time of its origin up to the present day, covering its entire existence continuously and consecutively from the administration of President Washington to that of President Coolidge. It gives an account of how the Cabinet began and a roster of the various members with their terms of service and biographical sketches of each member, stating also other public offices held by each of them. Incidentally it sheds much light upon the course of public affairs during the years which have elapsed since the organization of the Republic by its references to the part taken by the Cabinet members in dealing with grave problems concerning national and international welfare. The author has dedicated his book to the National Press Club of Washington, D. C., which he refers to as "that aggregation of industry and intelligence which has done so much to place modern American newspapers on the high plane they occupy in the journalistic world." As an example of the best taste and skill in the mechanical work of book production this volume reflects the highest credit upon its publishers.

The Story of the South in the Building of the Republic. By Matthew Page Andrews. Baltimore: The Norman, Remington Co. 1925. Buckram. Pp. 19. \$1.

This is a copy in miniature of the largest book in the world, which was shown at the recent Southern Exposition in New York city and which is 6 feet 10 inches high, 12 inches thick and 4 feet 7 inches wide and weighs 500 pounds. This miniature edition of Mr. Andrews' volume is of ordinary dimensions, so that it may easily be handled and read. It tells in its pictures and text the achievements of the South in the expansion and the development of the United States, and it will doubtless be widely appreciated.

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PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close September 15, 1925.

U. S. Engineer Office, Mobile, Ala.—Sealed proposals will be received here until 11 o'clock A. M. September 15, 1925, and then publicly opened, for dredging in Mobile Bay Channel, Ala. Further information on application.

Bids close September 8, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. SEALED PROPOSALS will be received here until 11 A. M. September 8, 1925, and then opened, for furnishing materials and laying tile cover on lead gallery roof at Wilson Dam, Tennessee River. Further information on application.

Bids close September 10, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. SEALED PROPOSALS will be received here until 11 A. M. September 10, 1925, and then opened, for furnishing materials and constructing a vitrified brick pavement on the roadway of Wilson Dam, Tennessee River. Further information on application.

Bids close September 15, 1925.

Sealed proposals will be received by the U. S. Veterans Bureau, Room 791, Arlington Building, Washington, D. C., until 11 A. M. September 15, 1925, and then and there publicly opened, for the construction complete of Kitchen and Mess Building, also Roads and Parking, to be built at U. S. Veterans Hospital No. 42, Perry Point, Md. This work will include plain and reinforced concrete, hollow tile, brickwork, marble-work, floor and wall tile, ironwork, steel sash, built-up roofing, roof ventilators, metal lathing, plastering and stucco, carpentry, insect screens, hardware, painting, glazing, plumbing, heating and electrical work, electric freight elevator, refrigerating plant and concrete roadwork. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$20, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of the drawings and specifications within ten days after date of opening proposals. WM. H. CONKLIN, Acting Director. August 14, 1925.

Bids close September 2, 1925.

\$250,000 6% Bonds

Fort Lauderdale, Fla., August 17, 1925.

Sealed bids will be received by the undersigned at the office of the Napoleon B. Broward Drainage District, 213 Maxwell Building, Fort Lauderdale, Florida, until September 2, 1925, at 2 o'clock P. M., for \$250,000 six per cent Bonds of the Napoleon B. Broward Drainage District, dated July 1, 1925. Principal of said Bonds to become due and payable on the first day of July in each of the years 1935 to 1953, inclusive. Principal and semi-annual interest payable at the National Park Bank, New York City, New York.

The legality of the issue will be approved by John C. Thomson, Esq., New York City, New York.

All bids must be accompanied by a certified check on a reputable bank for two per cent of the amount of bonds bid for as security for compliance with the terms of the bid. The right to reject any and all bids is reserved by the said Board.

BOARD OF SUPERVISORS OF THE
NAPOLEON B. BROWARD
DRAINAGE DISTRICT.
By JAMES S. RICKARDS,
Secretary and Treasurer.

Bids close September 3, 1925.

\$77,000 Water and Sewer Bonds

Jonesville, S. C., will receive sealed bids to 1 o'clock September 3, 1925, for the following Bonds:

Water\$50,000
Sewer 27,000

Town reserves right to reject any or all bids.

E. S. McWHIRTER,
Clerk and Treasurer.

Bids close September 7, 1925.

\$120,000 6% Time Warrants

The Board of Public Instruction of Hamilton County, Florida, will receive bids for interest-bearing Time Warrants, on Jasper Special Tax School District, in the sum of Eighty Thousand Dollars, and on Jennings Special Tax School District in the sum of Forty Thousand Dollars, up to ten o'clock A. M. September 7, 1925. Warrants bear six per cent interest. Interest payable semi-annually.

W. W. BRADSHAW,
Secretary of Board, Jasper, Fla.

Bids close September 18, 1925.

\$30,000 6% Time Warrants

Cross City, Fla.
Notice is hereby given that the Board of County Commissioners of Dixie County, Florida, will receive sealed bids at 2 o'clock P. M. September 18, A. D. 1925, for \$30,000 worth of six per cent interest-bearing time warrants on Special Tax Road and Bridge District Number One of Dixie County, Florida.

Denomination of warrants, \$1000 each.
Rate of interest 6 per cent per annum, payable annually.

Warrants payable \$2000 each year for a period of 15 years.

Warrants payable at Cross City, Dixie County, Florida.

All bids must be accompanied by certified check for \$500.

The Board reserves the right to reject any or all bids.

Done in open session of the Board this 8th day of August, A. D. 1925.

W. T. GREEN,

Chairman Board of County Commissioners, Dixie County, Florida.

Attest: L. L. BARBER,
Clerk and Auditor.

Bids close September 10, 1925.

Bridges

De Land, Fla.
SEALED proposals will be received by the Board of County Commissioners of Volusia County, Florida, at the office of the Clerk of the Circuit Court of Volusia County, De Land, Florida, until 10 o'clock A. M. on the 10th day of September, 1925, for the construction of a steel drawbridge, with a concrete pivot pier and creosoted pile trestle, bent approaches and draw-pier fenders and guards over the Indian River North at the west approach of Flagler avenue in Coronado Beach, Florida, total length 1135 feet; two creosoted pile trestle bent bridges, total length 230 feet; 26,000 cubic yards of earth embankment (dipper dredge or hydraulic process), all complete and in accordance with plans and specifications at the office of the Engineer.

Bids will be received on the whole or any section of the work.

Plans and specifications may be examined at the office of the Engineer, New Smyrna, Florida, or for the sum of Ten Dollars may be obtained on applying at the same place, which amount will be returned on a bona fide bid.

Each bidder must accompany bid with a certified check or bidder's bond for an amount not less than five per cent of the amount bid, drawn to the order of W. P. Wilkinson, Chairman of the Board of County Commissioners of Volusia County.

The right is reserved to reject any or all bids in whole or in part.

W. P. WILKINSON,
Chairman of Board of County Commissioners.
SAM'L D. JORDON,
Clerk of Court.

N. A. HOTARD, Engineer.

Bids close September 7, 1925.

Bridge

Tavares, Fla.

Sealed proposals will be received by the Board of County Commissioners of Lake County, Florida, at the office of the County Clerk at the Courthouse, Tavares, Florida, until 1 o'clock P. M. on the 7th day of September, 1925, and opened and read immediately thereafter, for the construction of a steel drawbridge, with a concrete pivot pier, and creosoted pile trestle approaches, end rest piers, and fender protection for the pivot and rest piers, across the St. John's River at Astor, Florida.

Bids will be received on the bridge complete as per plan and specification, which may be examined at the office of the County Engineer in the Courthouse at Tavares, Florida, or may be obtained from him for the sum of \$5.00.

Bids for both Bascule and Swing type draw span will be accepted.

All bids must be accompanied by plans of bidders' proposed type of steel span. Each proposal must be accompanied by a certified check in the sum of five thousand dollars (\$5000), payable to the County Clerk of Lake County, Florida.

The right is reserved by the Board of County Commissioners to reject any or all proposals.

M. V. SIMPSON,
Chairman Board of County Commissioners.
T. C. SMYTH, County Clerk.

Bids close September 8, 1925.

Road and Bridges

Sealed proposals will be received by the County Commissioners of Hendry County at their office in LaBelle, Florida, until 12 o'clock noon on the 8th day of September, 1925, when bids will be opened and read, upon the construction of 79½ miles of Highway under the \$430,000 Bond Issue.

Clearing and grubbing, 95 acres; common excavation, 580,900 cu. yds. marl, 116,872 cu. yds. concrete, 1325 cu. yds.; reinforcing, 60,336 pounds; timber for bridges, 132,668 feet; piling, 1362.

Plans and specifications forwarded upon application to

JOHN H. CALDWELL, County Engineer,
LaBelle, Fla.

Bids close September 1, 1925.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows:

Prince George County, Cont. P-42—One section of State highway from Priest's Bridge toward Upper Marlboro for a distance of 2.42 miles. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 1st day of September, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 18th day of August, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close September 7, 1925.

Road Construction

Sarasota, Fla., August 8, 1925.

Sealed proposals for the construction of various types of hard-surface roadbed and the furnishing of labor, materials and equipment to improve or construct 134 miles of road, divided into 34 projects in Sarasota County, Florida, will be received by the Board of County Commissioners up to 2 o'clock P. M. on the 7th day of September, 1925, and publicly opened.

Plans and specifications, blank forms for bids, contracts and bonds and all other needed information may be obtained on application to the County Engineer.

The right is reserved to reject any or all bids.

GEO. B. PRIME,

Chairman Board County Commissioners.
NORMAN G. CORSON,
Acting County Engineer.

Bids close September 1, 1925.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows: Charles County, Cont. Ch-34—One section of State highway from State Road near Pomfret to Benville School for a distance of 2.63 miles. (Gravel.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the first day of September, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 17th day of August, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close September 22, 1925.

Road Construction

Tavares, Fla.

Sealed proposals on blank forms furnished by the County and addressed to the "BOARD OF COUNTY COMMISSIONERS OF LAKE COUNTY, TAVARES, FLORIDA," will be received at the office of the Clerk of Court in the Court House at Tavares, Florida, until 1 P. M. September 22, 1925, for furnishing all material, equipment and labor for the following work:

Approximately 55 miles of bituminous road paving on a limestone base, together with all incidentals thereto, located in Special Road and Bridge District Number Nine, Lake County, Florida.

Each bid shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than twenty-five thousand (\$25,000) dollars, made payable to T. C. Smyth, Clerk of Court.

Plans and specifications may be seen at the office of the Clerk of Court in Tavares, Florida, and at the office of the Engineers in Eustis, Florida. Full sets of plans and specifications will be furnished by the Engineers upon payment of \$50, half of which will be refunded upon the return of the plans in good condition. Specifications will be furnished by the Engineers upon payment of \$2.00, to pay the cost of reproduction.

The right is reserved to reject any or all bids.

BOARD OF COUNTY COMMISSIONERS
OF LAKE COUNTY, FLORIDA.

M. V. SIMPSON, Chairman.
T. C. SMYTH, Clerk of Court.
H. S. Jaudon Engineering Company,
Engineers,
Eustis, Florida.

Bids close September 10, 1925.

Road and Bridge Construction

VIRGINIA STATE HIGHWAY COMMISSION.

Richmond, Va., August 20, 1925.

Sealed bids will be received at the office of the State Highway Commission, State Office Building, Capitol Square, Richmond, Va., until 10 A. M. Thursday, September 10, 1925, for construction of:

Route Number	341	17	21
Project Number	F-316	S-391	F-408
County	Accomac	Bath	Page
Length in Miles.....	2.58	1.318	3.672
Type	Concrete	Grading	Bit. Macadam
Contractors will be shown over the work 9 A. M. Sept. 1, 2.15 P. M. Sept. 3, 10 A. M. Sept. 2,			
in Accomac Hotel, C. & O. R. R., Sta. Goshen		Mansion Inn, Luray, Va.	

ITEMS AND APPROXIMATE UNIT QUANTITIES.			
Acres, Clear. and Grubbing.....	0.34	2.27	0.08
Cu. Yds. Excavation.....	3847	24,733	17,276
Cu. Yds. Borrow Excavation.....	1662		860
Lin. Ft. Pipe.....	530	112.5	730
Cu. Yds. "A" Concrete		63.65	19.90
Cu. Yds. "B" Concrete	22.54	115.84	26.54
Lbs. Reinforcing Steel.....		4765	1162
Lin. Ft. Gd. Rail.....		3584	3072
Right of Way Monuments.....	32	32	82
Sq. Yds. Concrete Pavement.....	27,235		
Sq. Yds. Bit. Macadam			39,266
Cu. Yds. Rip Rap			30

BRIDGES OVER 20-FOOT SPAN.

Cu. Yds. "A" Concrete	269.4	51.8
Cu. Yds. "B" Concrete	48.3	165.6
Lbs. Reinforcing Steel.....	21,055	10,315
Local District Offices.....	Suffolk	Staunton
Shipping Point	Parksley	Hotchkiss,
Railroad	N. Y. P. & N.	C. & O. spur line

Proposal guaranty to be CERTIFIED CHECK to the amount of \$1000. Plans and specifications are on file at Richmond office, Richmond, Va., and at the local District offices. Road plans for bidders may be obtained from Richmond office upon receipt of \$5.00, payable to H. G. Shirley, \$2.50 of which will be refunded if plans are returned in good condition within two weeks after bids are opened. The State Highway Commission reserves the right to reject any or all bids.

(NOTE—Bridge plans included in the road plans.)

Bids close September 24, 1925.

Highway Construction, Tamiami Trail

MONROE COUNTY, FLA.

Sealed proposals will be received by the Board of County Commissioners for Monroe County, Florida, until 8 P. M. September 24, 1925, for the construction of a highway 16 feet in width, consisting of stone surface, oiled, with a suitable material for sub-grade, in the northern portion of Monroe County, a section of the Tamiami Trail, approximately 16 miles in length.

Plans and specifications may be procured from the office of the County Engineer at the Court House, Key West, Fla. A deposit of \$5.00 will be required for the return of the plans and specifications.

Proposals will be publicly opened, with the usual rights reserved.

BOARD OF COUNTY COMMISSIONERS,
MONROE COUNTY, FLORIDA.
J. OTTO KIRCHHEINER, Chairman.
Key West, Fla.

Bids close September 22, 1925.

Road Construction

Tavares, Fla.

Sealed proposals on blank forms furnished by the County and addressed to the "BOARD OF COUNTY COMMISSIONERS OF LAKE COUNTY, TAVARES, FLORIDA," will be received at the office of the Clerk of Court in the Court House at Tavares, Florida, until 1 P. M. September 22, 1925, for furnishing all material, equipment and labor for the following work:

Approximately 26 miles of bituminous road paving on a limestone base and 8 miles of sand-clay road paving, together with all incidentals thereto, located in Special Road and Bridge District Number Eight, Lake County, Florida.

Each bid on bituminous road paving or bituminous and sand-clay road paving shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than twenty-five thousand (\$25,000) dollars. Each bid on sand-clay road paving alone shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than one thousand (\$1000) dollars. All certified checks and bidder's bonds shall be made payable to T. C. Smyth, Clerk of Court.

Plans and specifications may be seen at the office of the Clerk of Court in Tavares, Florida, and at the office of the Engineers in Eustis, Florida. Full sets of plans and specifications will be furnished by the Engineers upon payment of \$25, half of

which will be refunded upon the return of the plans in good condition. Specifications will be furnished by the Engineers upon payment of \$2.00, to pay the cost of reproduction.

The right is reserved to reject any or all bids.

BOARD OF COUNTY COMMISSIONERS
OF LAKE COUNTY, FLORIDA.
M. V. SIMPSON, Chairman.
T. C. SMYTH, Clerk of Court.
H. S. Jaudon Engineering Company,
Engineers,
Eustis, Florida.

Bids close September 24, 1925.

Highway Construction, Key Largo, Florida

MONROE COUNTY, FLA.

Sealed proposals will be received by the Board of County Commissioners for Monroe County, Florida, until 8 P. M. September 24, 1925, for the construction of a highway 16 feet in width, consisting of a stone surface, oiled, on the Island of Key Largo, Florida, from a point near the southern end of the Island to the northern end, approximately 28 miles.

Plans and specifications may be procured from the office of the County Engineer at the Court House, Key West, Fla. A deposit of \$5.00 will be required as a guarantee for the return thereof.

Proposals will be opened publicly, with the usual rights reserved.

BOARD OF COUNTY COMMISSIONERS,
MONROE COUNTY, FLORIDA.
J. OTTO KIRCHHEINER, Chairman.
Key West, Fla.

Bids close September 24, 1925.

Boulevard Construction

Sealed proposals will be received by the Board of County Commissioners until 8 P. M. September 24, 1925, for the construction of a boulevard consisting of a concrete apron wall, sidewalk and roadway, with drainage and lighting systems, two creosoted bridges and sheet pile bulkhead, around the eastern portion of Key West Island, Florida, for a distance of approximately six miles.

Plans and specifications may be obtained from the office of the County Engineer at the Court House, Key West, Fla. A deposit of ten dollars will be required as a guarantee for the return thereof.

Proposals will be publicly opened with the usual rights reserved.

BOARD OF COUNTY COMMISSIONERS,
MONROE COUNTY, FLORIDA.
J. OTTO KIRCHHEINER, Chairman.
Key West, Fla.

Bids close September 24, 1925.

Highway Construction, Saddle Bunch Keys to Sugar Loaf Key

MONROE COUNTY, FLA.

Sealed proposals will be received by the Board of County Commissioners until 8 P. M. September 24, 1925, for the construction of a highway 16 feet in width, consisting of stone surface, oiled with a suitable material for sub-grade, from a point on the southwest island of the Saddle Bunch Key Group to a point near the Florida East Coast Railroad on the eastern end of Sugar Loaf Key, Monroe County, Florida, approximately 9 miles in length, and one bridge 16 feet in width and 180 feet long over Sugar Loaf Creek.

Plans and specifications may be procured from the office of the County Engineer, Court House, Key West, Fla. A deposit of \$5.00 will be required as a guarantee for the return thereof.

Proposals will be publicly opened, with the usual rights reserved.

BOARD OF COUNTY COMMISSIONERS,
MONROE COUNTY, FLORIDA.
J. OTTO KIRCHHEINER, Chairman.
Key West, Fla.

Bids close September 14, 1925.

Street Improvements

Gainesville, Fla.

Sealed proposals addressed to the City Council, Gainesville, Fla., and marked "Sealed Proposal," will be received until 8 P. M. September 14, 1925, to be opened immediately thereafter, for furnishing material, equipment and labor and constructing certain work approximately as follows:

114,000 Square Yards Paving.
Also necessary grading, curbing, gutters, storm sewers and appurtenances.

Bids will be received on sheet asphalt, asphaltic concrete, vitrified brick and similar paving.

The right is reserved to reject any and all bids.

Plans and specifications may be seen at the offices of the City Manager and the Engineers, and specifications may be obtained from the City Manager upon payment of \$2.00 to cover cost of reproduction.

G. H. CAIRNS, City Manager.
JOS. E. WAUGH, Clerk.
E. V. CAMP AND ASSOCIATES, INC.,
Consulting, Supervising and Testing
Engineers,
Atlanta, Ga.; Bartow, Fla.;
Jacksonville, Fla.
Graham Building, Gainesville, Fla.

Bids close September 9, 1925.

Street Paving

Mount Holly, N. C., August 18, 1925.
Sealed proposals will be received by the Town Board of Commissioners of Mount Holly, North Carolina, at the office of the Mayor until 11 o'clock A. M. September ninth (9th), 1925, for the following Street Improvements:

20,000 square yards Paving.
15,000 lineal feet Curb and Gutter.
10,000 cubic yards Grading.
10,000 square yards sidewalk.
Bids will be received on the following types of Pavement, Sheet Asphalt, Asphaltic Concrete, Warrenite Bitulithic, Kentucky Rock Asphalt, Willite, Asphalt Macadam, Brick, Cement Concrete and all appurtenances.

All bids must be upon blank forms provided in the proposal and contract forms, and marked "Proposal for STREET IMPROVEMENTS."

Plans and specifications will be on file at the office of the Town Clerk and at the office of the Engineers, and will be mailed upon application, accompanied by a check for \$10, which will be returned to bona fide bidders.

Each bid must be accompanied by a certified check of not less than five per cent of the amount bid. The right is reserved to reject any or all bids.

Contractors must show that they have complied with the act to regulate the practice of General Contracting, as ratified by the General Assembly March 10, 1925, before their bids will be considered.

By order of the Board.
O. L. HOFFMAN, Mayor.
J. W. HOLLAND, City Clerk.
THE CAROLINA ENGINEERING CO.,
Engineers, 917-919 Johnston Building,
Charlotte, North Carolina.
G. H. BISHOP, Consulting Engineer.

Bids close September 24, 1925.

Street Paving

Sealed proposals on blank forms furnished by the town and addressed to the "Mayor and Council, Mount Dora, Florida," will be received until 2 P. M. September 24, 1925, at the office of the Town Clerk at Mount Dora, Florida, for furnishing all material, equipment and labor for the following work:

Approximately 170,000 square yards of bituminous street paving, together with all incidentals thereto.

Bids will be received separately on:

First—The contract as a whole.

Second—The contract as a whole without the concrete curb or curb and gutter.

Third—The concrete curb or curb and gutter alone.

Each bid on the contract as a whole or the contract as a whole without the concrete curb and gutter shall be accompanied by a certified check for not less than Ten Thousand (\$10,000) Dollars, and each bid on concrete curb or curb and gutter shall be accompanied by a certified check for not less than One Thousand (\$1000) Dollars. A satisfactory bidder's bond will be accepted in lieu of a certified check. All certified checks or bidders' bonds shall be made payable to J. H. Crane, Town Clerk.

Plans and specifications may be seen at the office of the Town Clerk in Mount Dora or at the offices of the Engineers in Eustis, Florida, and Elberton, Georgia. Full sets of plans and specifications will be furnished by the Engineers upon payment of \$25.00, half of which will be refunded upon the return of the plans in good condition within ten days after the award of the contract. Specifications will be furnished by the Engineers upon payment of \$2.00 to cover the cost of reproduction.

The right is reserved to reject any or all bids.

TOWN OF MOUNT DORA, FLORIDA.

A. J. WALTZ, Mayor.

J. S. KIMBALL,

President of Council.

J. H. CRANE, Clerk.

H. S. JAUDON ENGINEERING CO.,

Engineers,

Eustis, Fla.; Elberton, Ga.

Bids close September 3, 1925.

Paving and Sewers

Vero Beach, Fla.

Sealed proposals will be received by the City Council of the City of Vero Beach, Fla., at the City Hall until 8 P. M. September 3, 1925, at which time they will be publicly opened and read, for the following work:

23,000 cu. yds. of subgrading.
62,842 sq. yds. of waterbound macadam paving with asphalt surface treatment.
45,251 lin. ft. of combined curb and gutter.

1500 lin. ft. of 10-inch vitrified pipe storm sewer.

645 lin. ft. of 12-inch vitrified pipe storm sewer.

395 lin. ft. of 15-inch vitrified pipe storm sewer.

130 lin. ft. of 30-inch vitrified pipe storm sewer.

40 4 concrete storm sewer bulkhead.

600 lin. ft. of 60-inch segment block culvert.

377 lin. ft. 18-inch vitrified pipe storm sewer.

The city reserves the right to award contract to separate bidders on separate sections of the work and to reject any or all bids, and to waive any or all technicalities in awarding the contract.

All bids must be upon the blank forms provided in the Proposal, Specifications and Contract.

Each bid must be accompanied by a certified check for 5% of the amount of the bid, and the contractor must provide a construction bond 100% of his bid.

Plans, specifications and form of contract and bond may be examined at the office of Carter & Damerow, Engineers for the City of Vero Beach, Florida, or sets may be obtained from them by making a deposit of Twenty-five Dollars (\$25.00). Fifteen Dollars (\$15.00) of which will be refunded on their return within fifteen (15) days following the date of opening bids.

B. T. REDSTONE, Mayor.

H. G. REDSTONE, Clerk.

Bids close September 7, 1925.

Street Improvements

Clearwater, Fla.

Sealed bids will be received at the City Hall, Clearwater, Florida, until 7.30 P. M. Monday, September 7, 1925, for the furnishing of all material and construction of the following improvements in the said city:

Approx. 78,104 cu. yds. excavation.
Approx. 49,344 sq. yds. 6-inch rock base.
Approx. 49,344 sq. yds. brick or asphalt block.

Approx. 28,251 lin. ft. curb and gutter.

Approx. 15,524 sq. yds. sidewalk.

Approx. 48 manholes.

Approx. 100 storm inlets.

Approx. 12,223 lin. ft. 8-inch vitrified clay pipe.

Approx. 4478 lin. ft. 10-inch vitrified clay pipe.

Approx. 5422 lin. ft. 12-inch vitrified clay pipe.

Approx. 2825 lin. ft. 15-inch vitrified clay pipe.

Approx. 3825 lin. ft. 18-inch vitrified clay pipe.

Approx. 1260 lin. ft. 24-inch vitrified clay pipe.

Bids on all classes of pavement will be considered.

Above improvements will be made in Del Oro Groves Subdivision of said city. Plans for same are now on file at office of City Engineer. Specifications may be obtained upon payment of \$5.00 at City Manager's office, which will be refunded to bona fide bidders. The city reserves the right to reject any and all bids, and to increase or decrease above quantities.

CHAS. F. MASON, City Manager.

Bids close August 31, 1925.

Sewers and Appurtenances

Towson, Md., August 5, 1925.

Sealed proposals addressed to the County Commissioners of Baltimore county and endorsed bids for the laying of Sewers and Appurtenances thereto, in CATONSVILLE, MARYLAND, will be received at their office in the Court House, Towson, Md., until 11 A. M. Eastern standard time, on August 31, next, when they will be publicly opened and read.

PROPOSAL NO. 5-S.

Approximate Quantities:

6,385 lin. ft. 6-in. T. C. Sewer.
26,135 lin. ft. 8-in. T. C. Sewer.
2,675 lin. ft. 10-in. T. C. Sewer.
3,350 lin. ft. 15-in. T. C. Sewer.
910 lin. ft. 18-in. T. C. Sewer.
19,010 lin. ft. 6-in. House Connections.
1,658 lin. ft. 48-in. Reinforced Concrete Sewer.

131 Manholes.
2,900 cu. yds. Rock Excavation.
500 lin. ft. 4-in. Tile Underdrain.
1,500 lin. ft. 6-in. Tile Underdrain.
1,176 Y-branches.

185 cu. yds. Misc. and Test Pit Earth Excavation.

100 cu. yds. Earth Excavation and Refill below Subgrade.

200 cu. yds. Earth Excavation and Gravel Refill below Subgrade.

Each bid must be accompanied by a certified check for three thousand (\$3000) dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a surety company satisfactory to the Commissioners will be required of the successful bidder.

A copy of the specifications, plans and drawings will be furnished prospective bidders on receipt of a certified check for twenty-five (\$25) dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District, within ten (10) days after the award of the contract. No specifications or drawings will be issued after Thursday, August 27. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after Friday, August 7, 1925.

Consideration will be given bidder's experience (must state in or attach to the bid), financial standing and reputation for having done successful work without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or to accept any proposal or bid, or to waive technicalities, as they may deem best for the interest of the County.

By order of the Board.

JOHN R. HAUT, Chief Clerk.

A. E. WALDEN, Chief Engineer.

Bids close September 3, 1925.

Sanitary Sewers and Water-Works

New Port Richey, Fla.

Sealed proposals will be received by the City of New Port Richey, Florida, at the City Hall for furnishing materials and labor for a sanitary sewer and water-works system in and for the City of New Port Richey, Florida, until 2 o'clock P. M. September 3, 1925, at which time they will be opened and read publicly.

The principal items of the work are approximately as follows:

- 27,500 Feet 6-inch C. I. Pipe.
- 1000 Feet 8-inch C. I. Pipe.
- 12.5 Tons C. I. Specials.
- 16,100 Feet 1½-inch Galvanized Iron Pipe.

- 71 Hydrants.
- 29 Gate Valves Hub End.
- 34 1½-inch Screwed Gate Valves.
- 1 Set Hydrant and Valve Wrenches.
- 3.8 Miles 12-inch, 10-inch and 8-inch Sewer Pipe, with necessary Manholes, Flush Tanks, Sedimentation Tank and accessories.
- 1—60,000-Gallon Tank on 75-ft. tower.

Every bid must be accompanied by a certified check on a bank satisfactory to the city officials, or a bidder's bond satisfactory to the city officials, for five (5%) per cent of the amount of the bid, drawn to the order of the City of New Port Richey, Florida.

All bids will be compared on the basis of the Engineers' estimate of the quantity of work to be done. Copies of specifications may be obtained from Engineers upon receipt of a deposit of \$5.00, which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers or at the office of the City Clerk.

The right is reserved to reject any or all bids, and the contract may be awarded in part to one or more bidders, as considered to the best interest of the city.

CITY OF NEW PORT RICHEY, FLORIDA.

ELROY M. AVERY, Mayor.

CHARLES E. SNELL, City Clerk.

J. B. McCRARY ENGINEERING

CORPORATION, Engineers,
Atlanta, Georgia.

Bids close September 8, 1925.

Sanitary Sewer System.

Punta Gorda, Florida.

Sealed proposals will be received by the City of Punta Gorda, Florida, at the City Hall for furnishing materials and labor for a Sanitary Sewer System in and for the City of Punta Gorda, Florida, until 8 o'clock P. M. September 8, 1925, at which time they will be opened and read publicly.

The principal items of the work are approximately as follows:

- 41,475 Feet 8-inch Pipe.
- 855 Feet 10-inch Pipe.
- 285 Feet 12-inch Pipe.
- 104 Manholes.
- 26 Flush Tanks.
- 21,240 Feet 6-inch Service Pipe.
- 44 Feet 6-inch Riser Pipe.
- 1,000 Feet Pavement.
- 9 12x6-inch Wyes.
- 20 10x6-inch Wyes.
- 1,583 8x6-inch Wyes.
- 10 6x6-inch Wyes.

Every bid must be accompanied by a certified check on a bank satisfactory to the city officials, or a bidder's bond satisfactory to the city officials for five (5%) per cent of the amount of the bid, drawn to the order of the City of Punta Gorda, Florida.

All bids will be compared on the basis of the Engineers' estimate of the quantity of work to be done. Copies of specifications may be obtained from Engineers upon receipt of a deposit of \$5.00, which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers or at the office of the City Manager, or a set will be furnished upon payment of \$15.00.

The right is reserved to reject any or all bids and the contract may be awarded in part to one or more bidders, as considered to the best interest of the city.

CITY OF PUNTA GORDA, FLA.

J. R. JACK, Mayor.

D. F. SMOAK, Commissioner.

A. P. HATCH, Commissioner.

J. R. JACK, City Manager.

J. B. McCRARY ENGINEERING

CORPORATION, Engineers,
Atlanta, Georgia.

Bids close September 3, 1925.

Water-Works and Sewer System Improvements

St. Cloud, Fla.

Sealed proposals will be received by the City Commission of the City of St. Cloud, Florida, until 7.30 P. M. on the third day of September, A. D. 1925, for furnishing of materials and labor for constructing water and sewer system improvements by the City of St. Cloud, Florida, for which water works improvements approximately \$185,000, and for which sewer improvements approximately \$240,000, respectively, have been provided. Proposals may cover all, or any one, or more, several jobs in connection with said sewer system improvements and water works, which are to be let by the said City Commission in accordance with the plans and specifications now on file at the City Hall of the City of St. Cloud. Proposals will be considered for the whole improvement, or for any one or more parts of jobs embraced therein, separately, or in combination. Said construction to be in accordance with plans and specifications on file in the City Hall aforesaid, where bids will be received and publicly opened and read. Each proposal to be accompanied by a certified check, issued upon a State or National Bank, and payable to the City of St. Cloud, in the sum of five (5%) per cent. of the total amount of the bid. The check of the successful bidder will be returned to the successful bidder after the execution and delivery of contract and bond to be given by said successful bidder. The checks of all unsuccessful bidders will be returned upon demand after execution of contract with the successful bidder.

Each proposal shall be presented in a sealed envelope endorsed on the outside with the title of the work and the name of the bidder. Complete plans and pamphlet documents are procurable from the Main Engineering Company by depositing Thirty (\$30) Dollars. Complete plans are procurable from said Company by depositing Fifteen (\$15) Dollars. Complete pamphlet documents are procurable from said Company by depositing Fifteen (\$15) Dollars. One half of the deposit made in order to procure plans or pamphlets, or both, shall be refunded to a bona fide bidder upon the prompt return of the instruments in good condition.

The successful bidder will be required to enter into contract and bond with the said City for the performance of said work satisfactory to the said City Commission. Said bond to be given in an amount equal to the total amount of the bid made and accepted.

Bids must be made on blank forms, which will be furnished by the City. Each proposal shall specify the gross sum, written in ink, in both words and figures, for each item designated in the proposal. All information for which blank forms are to be provided should be furnished, such information to be augmented, where practicable, by full descriptions of proposed work and materials, by appropriate cuts, detail plans, specifications, etc. Unauthorized alterations, interlineations, conditions, limitations, provisions or commissions on any proposal may render it informal and be cause for its rejection.

Proposals are to be made in good faith, and modification or explanation of any proposal, or permission to withdraw the same, will not be allowed except by written request submitted prior to the advertised time of closing bids. Proposals unnecessarily incomplete or unbalanced may be rejected without consideration.

The right is reserved to reject any or all proposals or bids, to waive any informality in the bids received, to accept any bid deemed most favorable to the City, and to modify the quantity and the quality of any class or portion of the contemplated work as hereinafter provided.

BY ORDER of the City Commission of the City of St. Cloud, this the 5th day of August, A. D. 1925.

G. C. OUTLAW,

Mayor Commissioner.

City Manager,

C. A. MISSIMER.

(City Seal)

MAIN ENGINEERING COMPANY, Day-

tona, Fla.—Waterworks Improvement.

RAMSEY-HERNDON COMPANY, Orlando,

Fla.—Sewer System Improvements.

Bids close September 9, 1925.

Sanitary and Storm Sewers

Glennville, Ga.

Sealed bids will be received by the Mayor and Council of the City of Glennville, Ga., at the Council Chamber in Glennville until 3 P. M. September 9, 1925, for furnishing materials and constructing approximately two and a half miles of 8-inch to 12-inch Sanitary Sewers, and about three-fourths of a mile of 12-inch to 24-inch Storm Sewers, with necessary manholes, flush tanks, etc., and one reinforced concrete septic tank.

Each bid must be accompanied by a certified check for \$1000, made payable to the Mayor, to be returned if proposal is rejected, or if contract is awarded and bond furnished.

An approved Bid Bond issued by a bonding company authorized to do business in Georgia will be accepted in lieu of a check. Plans and Specifications may be examined at the office of the City Clerk, in Glennville, or at the office of the Engineer, Atlanta. Specifications will be furnished without charge, and a set of plans will be furnished by the Engineer on receipt of five dollars, which will not be refunded.

R. C. DUBBERLEY, Mayor.

J. R. HODGES, City Clerk.

ARTHUR PEW, Engineer,
318 Red Rock Building, Atlanta, Ga.

Bids close September 17, 1925.

High School

Blacksburg, S. C.

Notice is hereby given that sealed bids will be received by School Trustees of the City of Blacksburg, S. C., up to 12 o'clock noon September 17, 1925, for the construction of a school building according to plans and specifications therefor prepared by Willis Irvin, Architect, Augusta, Ga., and now on file at Columbia Builders' Exchange, Columbia, S. C.; Charlotte Building Exchange, Charlotte, N. C., and Atlanta Builders' Exchange, Atlanta, Ga.

Plumbing and heating will be let separately. Each bid must be accompanied by a certified check for 3% of the amount of the bid and payable to order of J. L. Hancock, Chairman of Trustees, Blacksburg, S. C.

A copy of plans and specifications may be obtained at the office of the Architect at \$25.00 for general plans and \$10.00 for Plumbing and Heating, neither returnable unless bona fide bid is received and plans returned to Architect within fifteen days after bid is let.

Address all bids to J. L. Hancock, care of Willis Irvin, Architect.

Bids close September 9, 1925.

Addition to School Building

Baltimore, Md., August 18, 1925.

PROPOSALS will be received by the Board of Awards of Baltimore City for the erection of an ADDITION TO SCHOOL No. 70, located on Warren and Battery avenues, Baltimore, Maryland.

BIDS must be executed in duplicate and enclosed in sealed envelopes, addressed to the Board of Awards of Baltimore City, marked on the outside "PROPOSALS FOR ADDITION TO SCHOOL No. 70," and left with Mr. F. A. Doherty, City Register, at his office in the City Hall on or before 11 o'clock A. M. Wednesday, September 9, 1925.

EACH BID must be accompanied by a certified check of the bidder on some Clearing-House Bank in the amount of TWENTY THOUSAND DOLLARS (\$20,000), made payable to the Mayor and City Council of Baltimore.

The successful bidder will be required to give bond and comply with the City Charter respecting contracts.

Drawings and specifications may be seen at the office of the Supervising Engineer of the Public Improvement Commission, 518 Hearst Tower Building, on and after Friday, August 21, 1925, on deposit of certified check for \$100.

The Board reserves the right to reject any or all bids.

PUBLIC IMPROVEMENT COMMISSION.

H. G. PERRING, Supervising Engineer.

Approved:

B. L. CROZIER, Chief Engineer.

Approved:

HOWARD W. JACKSON,

President Board of Awards.

GEO. E. KIEFFNER,

Assistant City Solicitor.

Bids close September 18, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., August 22, 1925—**SEALED PROPOSALS** will be opened in this office at 3 P. M. September 18, 1925, for remodeling at the U. S. Marine Hospital, Savannah, Ga. Drawings and specifications may be obtained from the Medical Officer in Charge of the U. S. Marine Hospital, Savannah, Ga., or at this office, in the discretion of the Supervising Architect. Jns. A. Wetmore, Acting Supervising Architect.

Bids close September 8, 1925.

Church

Bids will be received on the general contract for the erection of the Trinity Episcopal Church at South Boston, Virginia, at 12 o'clock noon September 8, 1925. Address T. C. PAGE, South Boston, Va.

Bids close September 15, 1925.

Courthouse and City Hall

Miami, Fla.

Sealed proposals will be received on or before 12 o'clock noon, Eastern time, September 15, 1925, at the office of the County Commissioners of Dade County, Miami, Fla., for the following work and under the following rules and conditions:

The building is to be built on the present property of the county located in the City of Miami, Florida, bounded by West Flagler street on the south, Northwest Miami Court on the east, Northwest First street on the north and Northwest First avenue on the west.

The building to be a modern steel frame tower-like structure, with three-story base and basement approximately 168 feet by 168 feet, surrounded by a terrace on all four sides to the lot line; a sub-base approximately 138 feet by 138 feet, four stories high; this latter surmounted by a tower approximately 78 feet by 78 feet, eighteen stories high, which in turn will be surmounted by a stepped pyramid approximately 50 feet high.

Bids will be received upon the following sub-contracts, more specifically shown and specified in the plans and specifications herein mentioned:

1. Footings and Foundations of Reinforced Concrete and Steel.
2. Waterproofing and Damp-proofing.
3. Steel Frame, complete.
4. Tile and Concrete Floor Slabs and Concrete and Tile Fireproofing.
5. Terra Cotta or Stone Exterior and Backing.
6. Steel Window Frames and Glazing.
7. Sheet Metal Work and Roofing.

Plans and specifications for the above, together with bid blanks, can be secured from A. Ten Eyck Brown, Architect, and August Geiger, Associate Architect, Nos. 8-9 Hippodrome Building, Miami, Florida, or 717-20 Forsyth Building, Atlanta, Georgia, upon the deposit of a certified check for \$10.00 for any of the above work separately, or \$50.00 for all of the work called for. This check will be retained until the return of the plans and specifications in complete shape to the architects' office.

All bids to be considered must be received on or before 12 o'clock noon, Eastern time, September 15, and must be submitted on blanks to be furnished by the architects covering each and every contract and other formal items as called for by the specifications.

Each bid to be considered must also be accompanied by a check for 2% of the total amount, payable to J. D. Redd, Chairman Board of County Commissioners, Dade County, Florida, as agreed upon liquidated damages, in case the low bidder fails to sign a contract or make a proper bond.

The form of contract to be used will be that of the American Institute of Architects, 3rd Edition, 1918, as approved by the National Association of Builders, as modified by the Board's Attorneys. The form of bond will be drawn by the Board's Attorneys.

All bids should be addressed to J. D. Redd, Chairman Board of County Commissioners, Dade County, Miami, Florida, with the contents of each bid plainly marked on its cover.

The Board of County Commissioners of Dade County, Florida, will have the right to reject any or all bids.

(Signed) J. D. REDD,
Chairman Board of County Commissioners,
Dade County, Florida.

Attest:
W. E. NORTON, Deputy Clerk.

Bids close October 6, 1925.

Courthouse

LaBelle, Fla.

Sealed proposals will be received by the County Commissioners of Hendry County at their office in LaBelle, Fla., until 12 o'clock noon on the 6th day of October, 1925, when bids will be opened and read, for the construction of the Hendry County \$100,000 Courthouse.

Plans and Specifications will be forwarded upon the application and deposit of \$25 with W. T. Hull, Clerk, LaBelle, Florida.

Bids close September 14, 1925.

Trash Pump

Lake Charles, La.

Bids will be received by the First Sewerage District of the City of Lake Charles, La., at their office in the City Hall not later than 1.30 o'clock P. M. Monday, September 14, 1925, for a trash pump, with 5-inch suction and 5-inch discharge, that will handle sewage without clogging and reducing the efficiency, with a 12-inch lift, to be handled by motors now owned by the Sewerage Board. Terms, cash, on satisfactory demonstration. The Board reserves the right to reject any and all bids.

FRED A. HART, Secretary.

Bids close September 8, 1925.

Garbage Incinerator

Lakeland, Fla.

Sealed proposals will be received by the City of Lakeland, Florida, until 8 P. M. September 8, 1925, for constructing garbage incinerator of guaranteed capacity of 20 tons in 10 hours.

Blank forms of proposal and specifications will be furnished prospective bidders. Plans for the same will be furnished by the bidder for his particular type of furnace.

Certified check for \$5000 is required with each bid and bond for the contract price will be required of the successful bidder, such bond to be a bond with reputable and responsible surety company as surety, written through their resident agent, and who has been their resident agent in the city of Lakeland for six months.

The city reserves the right to reject any and all bids.

ANTON SCHNEIDER,

City Manager.

J. L. DAVIS,

City Clerk and Auditor.

CHARLES CARROLL BROWN,

City Engineer.

Bids close September 2, 1925.

Purchase and Demolition of Properties

Baltimore, Md., August 18, 1925.

PROPOSALS will be received by the Board of Awards of Baltimore City for the purchase and demolition of properties on the site of School No. 93, known as Nos. 1219 to 1239 (inclusive) Orleans street, 300 to 314 (inclusive) Lewis street and 227 to 231 (inclusive) Aisquith street.

BIDS must be executed in duplicate and enclosed in sealed envelopes, addressed to the Board of Awards of Baltimore City, marked on the outside:

"BIDS FOR THE PURCHASE AND DEMOLITION OF PROPERTIES ON SITE OF SCHOOL No. 93."

ALL BIDS will be left with Mr. F. A. Dolfield, City Register, at his office in the City Hall, on or before 11 A. M. Wednesday, September 2, 1925.

EACH BID must be accompanied by a certified check of the bidder in the amount of the bid upon some Clearing-House Bank, made payable to the Mayor and City Council of Baltimore.

SPECIFICATIONS may be seen at the office of the Supervising Engineer of the Public Improvement Commission, 518 Hearst Tower Building, Baltimore, Maryland, on and after Thursday, August 20, 1925.

The Board reserves the right to reject any or all bids.

PUBLIC IMPROVEMENT COMMISSION.
H. G. PERRING, Supervising Engineer.

Approved:
B. L. CROZIER, Chief Engineer.

Approved:
HOWARD W. JACKSON,
President Board of Awards.

Approved:
GEO. E. KIEFFNER,
Assistant City Solicitor.

Bids close September 22, 1925.

Flood Control Works

Edinburg, Tex.

1. Sealed proposals addressed to the Commissioners' Court of Hidalgo County, Texas, for the construction of Flood Control Works in Hidalgo County, Texas, will be received at the office of the County Judge at Edinburg, Texas, until 10 o'clock A. M. Tuesday, September 22, 1925, and then publicly opened and read.

DESCRIPTION OF WORK TO BE DONE.

APPROXIMATE QUANTITIES.

- 10,000 Acres Clearing.
- 1,000 Acres Grubbing.
- 5,000,000 Cu. Yds. Earth Embankment.
- 192,000 Cu. Yds. Earth Excavation.
- 300,000 Cu. Yds. Remodeling Canals.
- 28,000 Cu. Yds. Structural Excavation.
- 4,000 Cu. Yds. Concrete.
- 350,000 Lbs. Reinforcing Steel.
- 300,000 Lin. Ft. Seasoning Ditch.
- 1,800 Lin. Ft. 92-inch Metal Pipe.
- 400 Lin. Ft. Vit. Clay Pipe, 18-inch Diameter.
- 1,000 Lin. Ft. Vit. Clay Pipe, 24-inch Diameter.

2. Detailed Plans and Specifications of the work may be seen for examination, and information may be obtained at the office of P. S. Devine, Engineer, Pharr, Texas.

3. A Certified or Cashier's check for three per cent of the total amount bid, made payable without recourse to the order of "County Judge" of Hidalgo County, must accompany each proposal as a guarantee that the bidder, if successful, will enter into contract and make bond in accordance with requirements of the specifications. The right is reserved by the Commissioners' Court to reject any and all proposals or to waive all technicalities.

4. Proposals shall be submitted in sealed envelopes and marked "Bids for the Construction of Flood Control Works in Hidalgo County, Texas."

5. All bids received will be retained by the county and will not be returned to the bidders.

L. E. TINKLER, County Auditor.

Bids close September 22, 1925.

Gas and Water Pipe

Tallahassee, Fla.

Sealed proposals will be received by the City Auditor and Clerk of the City of Tallahassee until twelve o'clock noon of September 22, 1925, for the following pipe and fittings:

- 10,800 feet of six-inch pipe.
- 6,400 feet of three-inch pipe.
- 4,500 feet of two-inch pipe.
- 18 Crosses, 6x6x6x6.
- 36 six-inch plugs.
- 21 Tees, 6x6x6.
- 1 "Y," 6x6x6.
- 1 Tee, 4x4x6.
- 2 Crosses, 6x6x4x4.
- 1 Cross, 4x4x4x4.
- 1 Reducer, 6x4.
- 4 Three-inch Tees.
- 5 Three-inch Crosses.
- 1 Two-inch Cross.
- 4 Three-inch Valves.
- 2 Two-inch Valves.
- 11 Six-inch Gate Valves.
- 20 Six-inch Hydrants, with steamer connections.

SPECIFICATIONS:

Six-inch pipe to be Cast Iron; Universal or prepared joint, price per foot.

Two and three-inch pipe to be Cast Iron; plain ends suited for bronze welding. Prices are asked on this pipe per foot in the trench and tested to eighty pounds pressure, the City to dig the trench and do the backfilling.

The six-inch fittings are to be the same material and joints as the pipe. State make of valves and hydrants.

The two and three-inch fittings are to be the same material as the joints and pipe. Quantities are for estimated purposes.

Valves and hydrants may be submitted on separate bids.

The City reserves the right to reject any and all bids and award the contract as it may deem to be the best interest of the City.

Proposals will be marked "Sealed Proposals for Gas and Water Pipe."

B. H. BRIDGES,

Auditor and Clerk.

By order of the City Commission, 18th day of August, 1925.

WM. R. GALT,
City Manager.

Maybe your welding problem is unique



PERHAPS a new welding method will have to be developed. Possibly the problem will need some engineering thought. It is even conceivable that competent welders will have to be selected and organized into a department.

If you have such a job on hand you will want advice from someone who is more than an expert welder. You can get this kind of help from a Linde Service Supervisor.

Service Supervisors are men of wider experience and broader training than the Service Operators. They act as technical aids to the division sales managers and make their headquarters at the division offices.

NOT LONG AGO a piping contractor had one of those jobs that was going from bad to worse. He was discouraged and ready to quit. Furthermore, the customer was ready to have him quit. A Linde Service Supervisor appeared on the scene. He recommended a better type of welded joint. This was adopted. He suggested training a crew of welders. He outlined a plan for organizing the work; and then he withdrew. The job was finished—completely satisfactory—and ahead of time. We quote from the contractor:—

"... In these days of so much talk of service and so little except talk, the real service you have rendered to us, to our customer and, incidentally, to the general good of the welding business, is refreshing."

Linde Service Supervisors are a part of Linde Process Service which is free to all Linde users for the asking.

THE LINDE AIR PRODUCTS CO.

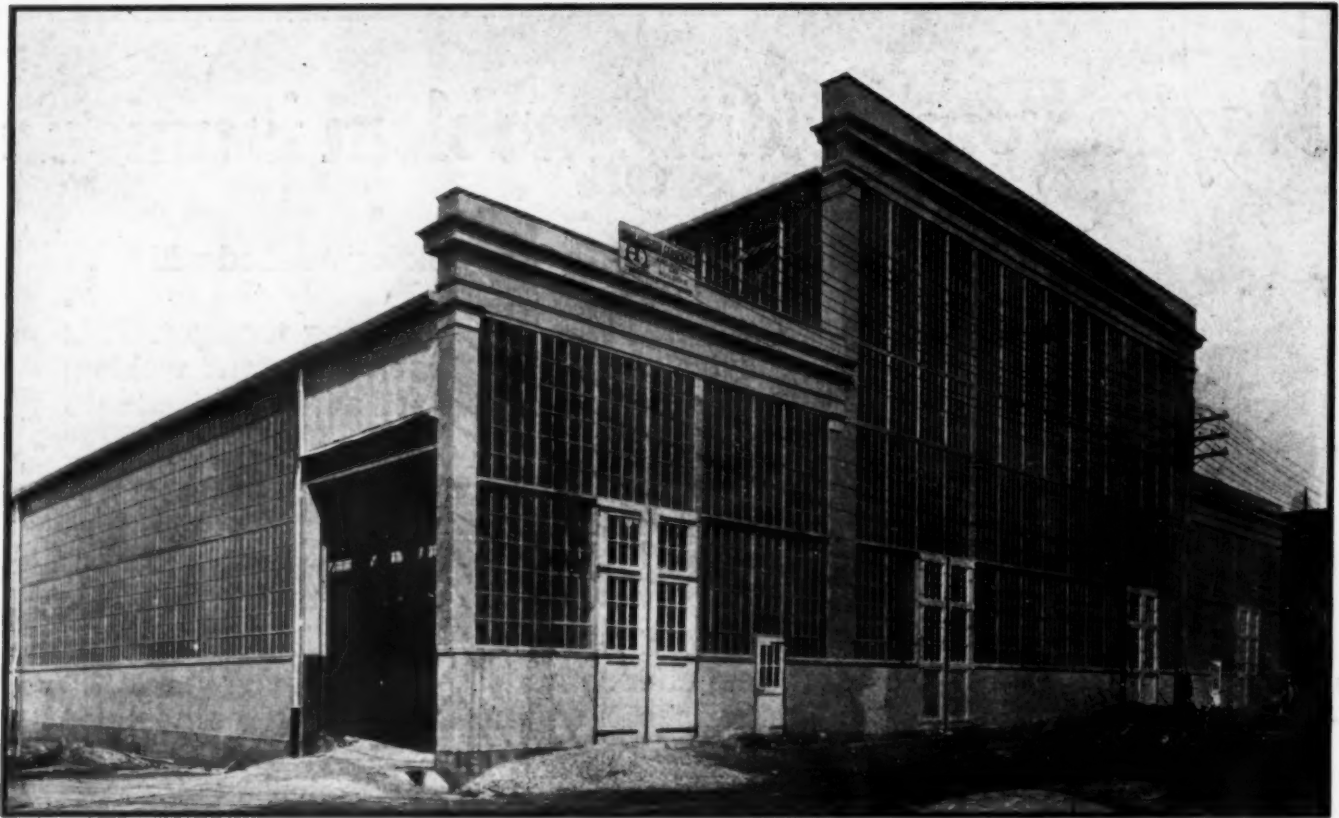
General Offices:

Carbon & Carbide Building, 30 E. 42d Street
New York, N. Y.

37 Plants 22 District Sales Offices 80 Warehouses

LINDE OXYGEN

YOU CAN DEPEND ON THE LINDE COMPANY



Large new plant unit of Pittsburgh Transformer Company, Pittsburgh, just completed by The Austin Company. Equipped with two 50-ton Crane runways. Austin's sixth contract in 7 years for this well-known manufacturer.

6 Large Contracts in 7 Years

AUSTIN is ready to handle your building project in the same way that has won six large contracts in seven years from the Pittsburgh Transformer Company, and 85 contracts from General Electric during the past 20 years.

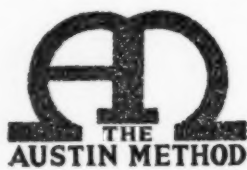
Outgrowing the small shop of 25 years ago, Pittsburgh Transformer Company awarded Austin the contract for its first new plant unit in 1918. Austin handled the entire project including design, construction and equipment, under the Unit Responsibility plan.

The confidence then established led to a second Austin Contract, then a third, and so on with each forward step in the company's rapid growth to a two million

dollar plant covering four city blocks. Austin has just completed the sixth contract in seven years for this company, and the owner says Austin service on this latest plant unit, illustrated above, surpasses even previous records.

Executives have confidence in Austin because Austin has merited that confidence in hundreds of building projects satisfactorily completed.

That means correct design, high grade construction, a guaranteed lump-sum price and guaranteed delivery date, under one contract with one responsible organization. Let us tell you more about Austin building service to your industry—no obligation, of course.



THE AUSTIN COMPANY ♣ *Engineers and Builders* ♣ **CLEVELAND**
 New York Cleveland Pittsburgh St. Louis Chicago Philadelphia Seattle Portland Detroit Birmingham Kansas City
 The Austin Company of California: Los Angeles and San Francisco The Austin Company of Texas: Dallas

THE AUSTIN COMPANY, Cleveland

Please send me a personal copy of the new 100-page Austin Book of Buildings, containing charts, building costs and comparisons, and technical data.

Firm _____

Individual _____

Address _____

M.R. 8-27

AUSTIN

Finance Engineering Construction Equipment

